EXCAVATIONS AT HARAPPĀ

BEING AN ACCOUNT OF ARCHÆOLOGICAL EXCAVATIONS AT HARAPPĀ CARRIED OUT BETWEEN THE YEARS 1920-21 AND 1933-34

BY

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In two volumes with plans and plates

Volume I.—Text

Volume II.—139 Plates



PUBLISHED BY MANAGER OF PUBLICATIONS, DELHI

PRINTED BY MANAGER, GOVERNMENT OF INDIA PRESS, CALCUTTA

1940

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Plate II.



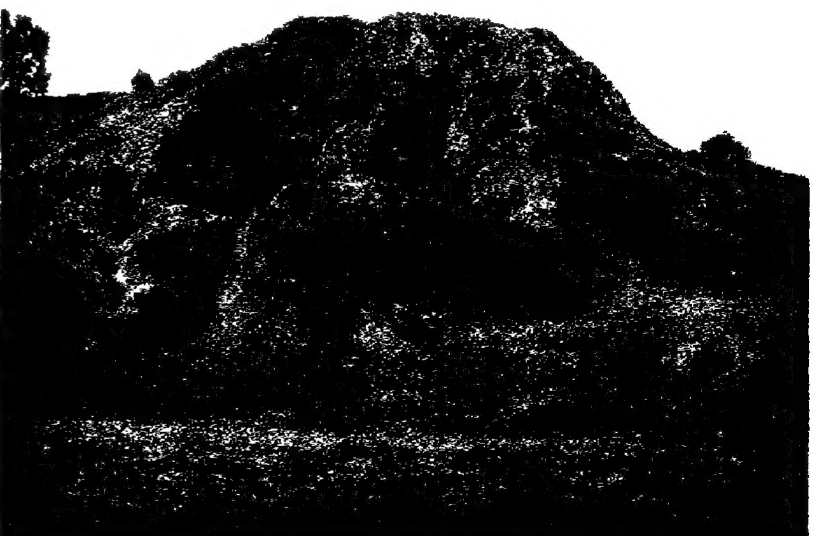
(*a*) Part of Mound AB with the tomb of Nalgaza, from north-east.



(*b*) West side of Mound AB with Mound F in the background, looking north.



(*c*) Archæological Camp and Museum, from north-east.



(*d*) North-east spur of Mound AB showing mud brick terracing.



(a) THE GREAT GRANARY, PANORAMIC VIEW, LOOKING SOUTH.



(b) THE GREAT GRANARY, PANORAMIC VIEW, LOOKING EAST.



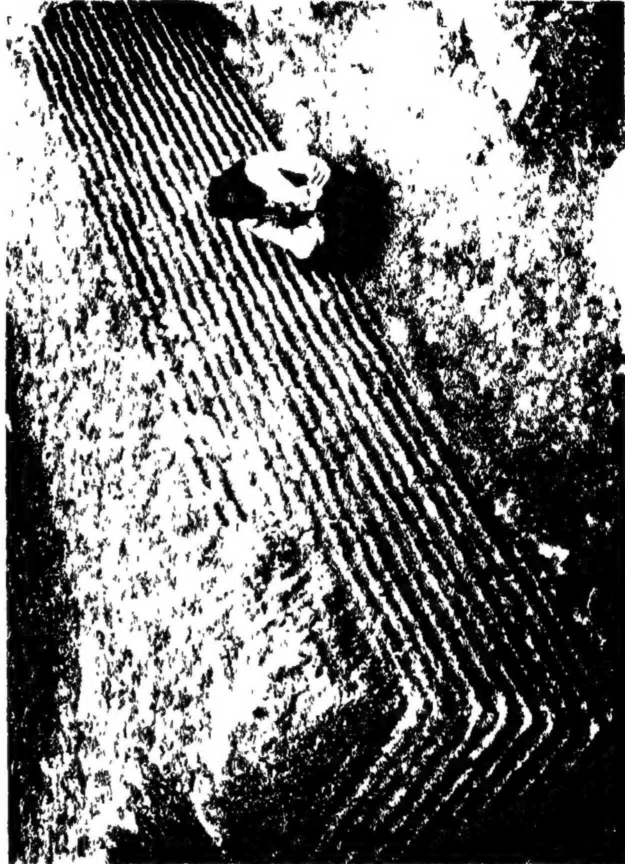
(a) The Great Granary, from south-west.



(b) Narrow trench showing a section of the retaining wall to east of the Great Granary, looking south.



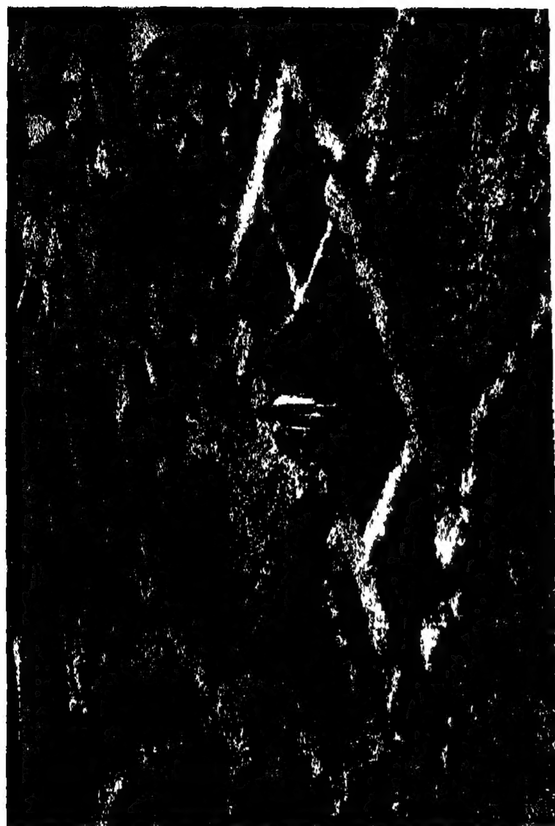
(c) Flight of steps in the Central Aisle abutting against the Western Block of the Great Granary.



(d) Retaining wall of the Great Granary, from south-west.



(*a*) EXTENSION TO WEST OF THE GREAT GRANARY, LOOKING NORTH.



(*b*) HOUSE 1 TO WEST OF THE GREAT GRANARY, FROM SOUTH-WEST.



(*c*) EXTENSION TO EAST OF THE GREAT GRANARY, FROM NORTH-WEST.



(*d*) EXTENSION TO WEST OF THE GREAT GRANARY, SHOWING EARTHENWARE JARS *in situ* AND WORK IN PROGRESS FROM SOUTH-EAST-SOUTH.



(*a*) EARTHENWARE JAR OF STRATUM V FILLED WITH TRIANGULAR TERRACOTTA CAKES.



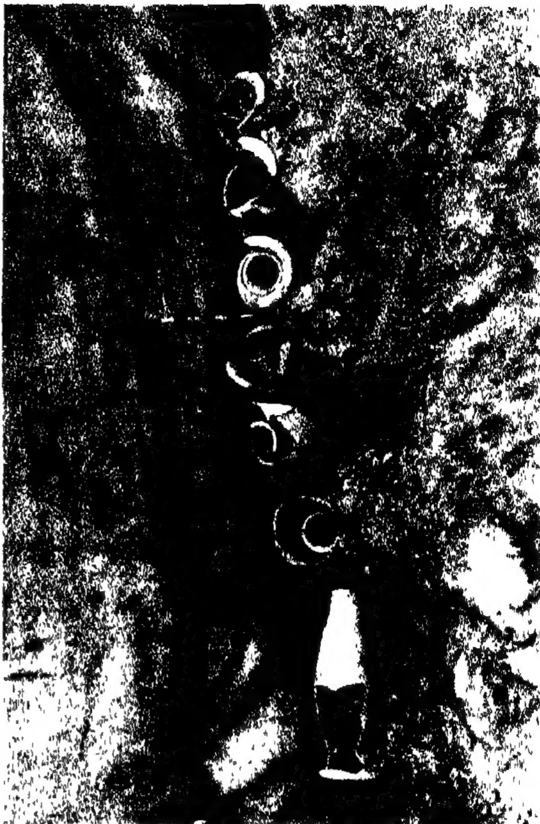
(*b*) POTTERY GROUP OF STRATUM II *in situ*



(*c*) EARTHENWARE JAR NO. 3760 *in situ.*



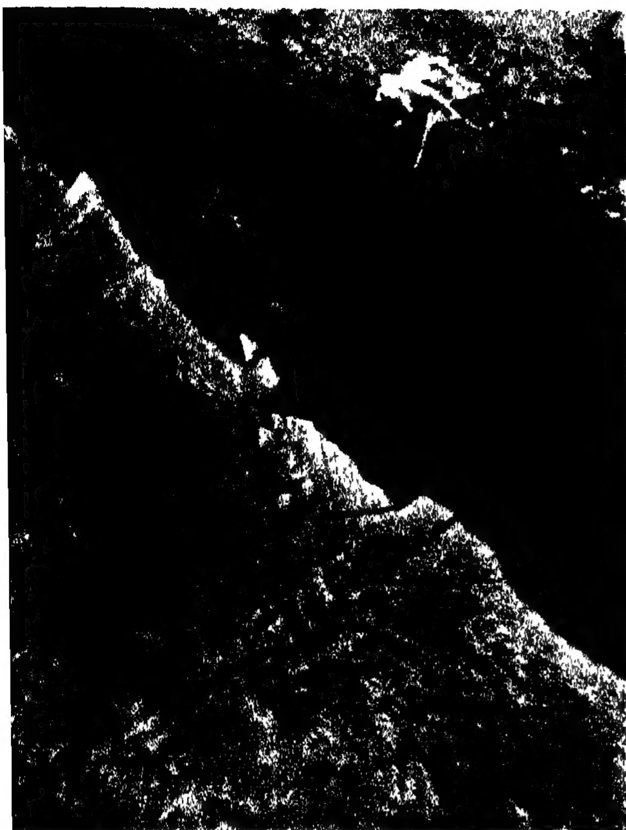
(*d*) POTTERY GROUPS NOS. 7338 TO 7340 AND 7360 *in situ.*



(*e*) A LINE OF SEVEN LONG OVAL VASES *in situ* CONTAINING SMALL CYLINDRICAL VASES.



(a) GENERAL VIEW OF TRENCH Af FROM NORTH-WEST.



(b) DRAIN AND SINK IN TRENCH Ae.



(c) LINGAM *in situ* IN TRENCH Ai.



(d) BRICK-ON-EDGE PAVEMENT OF STRATUM I IN TRENCH Ae.



(a) WORKMEN'S QUARTERS, LANE II BETWEEN BLOCKS I AND II, LOOKING WEST



(b) WORKMEN'S QUARTERS, LANE I WITH BLOCK II TO RIGHT, FROM WEST



(c) NORTHERN PORTION SHOWING CIRCULAR BRICK-ON-EDGE PLATFORMS NOS. 1 TO 3, FROM SOUTH-EAST.



(d) NORTHERN END SHOWING THE FIND-SPOT OF SEALS, BEADS, ETC., FROM EAST.



(a) Workmen's Quarters, Houses 3 and 5 with Lane A between them from South.



(b) Workmen's Quarters, partial view of Blocks I and II with Trench V in the background, from south-west.



(c) General view from North.



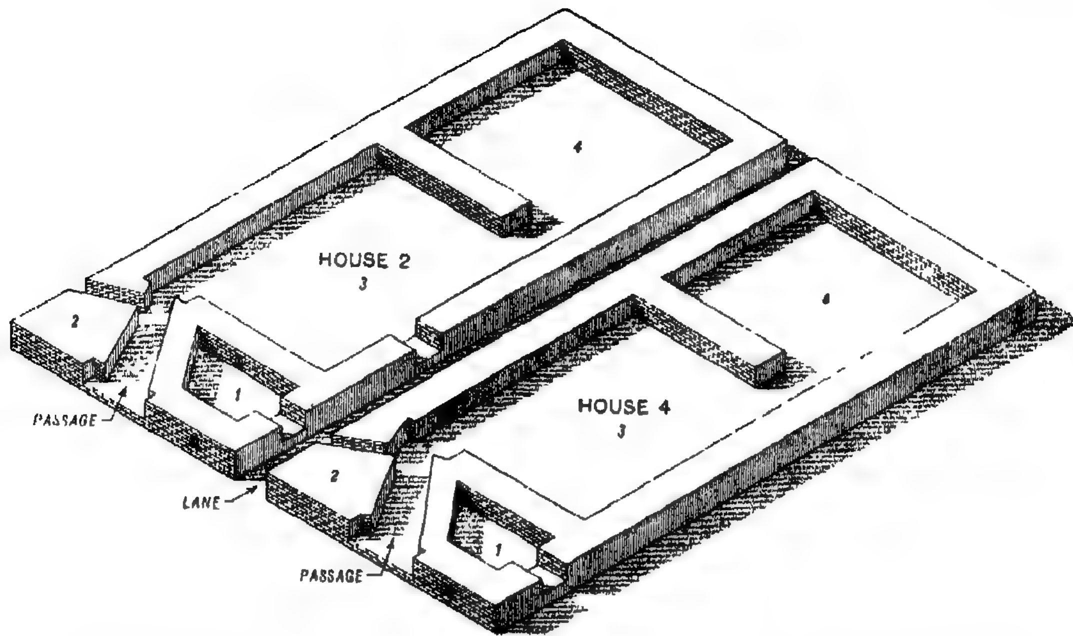
(d) Workmen's Quarters, partial view showing quadrilateral-shaped rooms in Blocks I and II, from north-west.



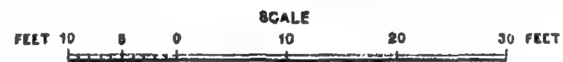
(a) PANORAMIC VIEW OF TRENCHES IV AND V WITH WORKMEN'S QUARTERS TO LEFT FROM EAST

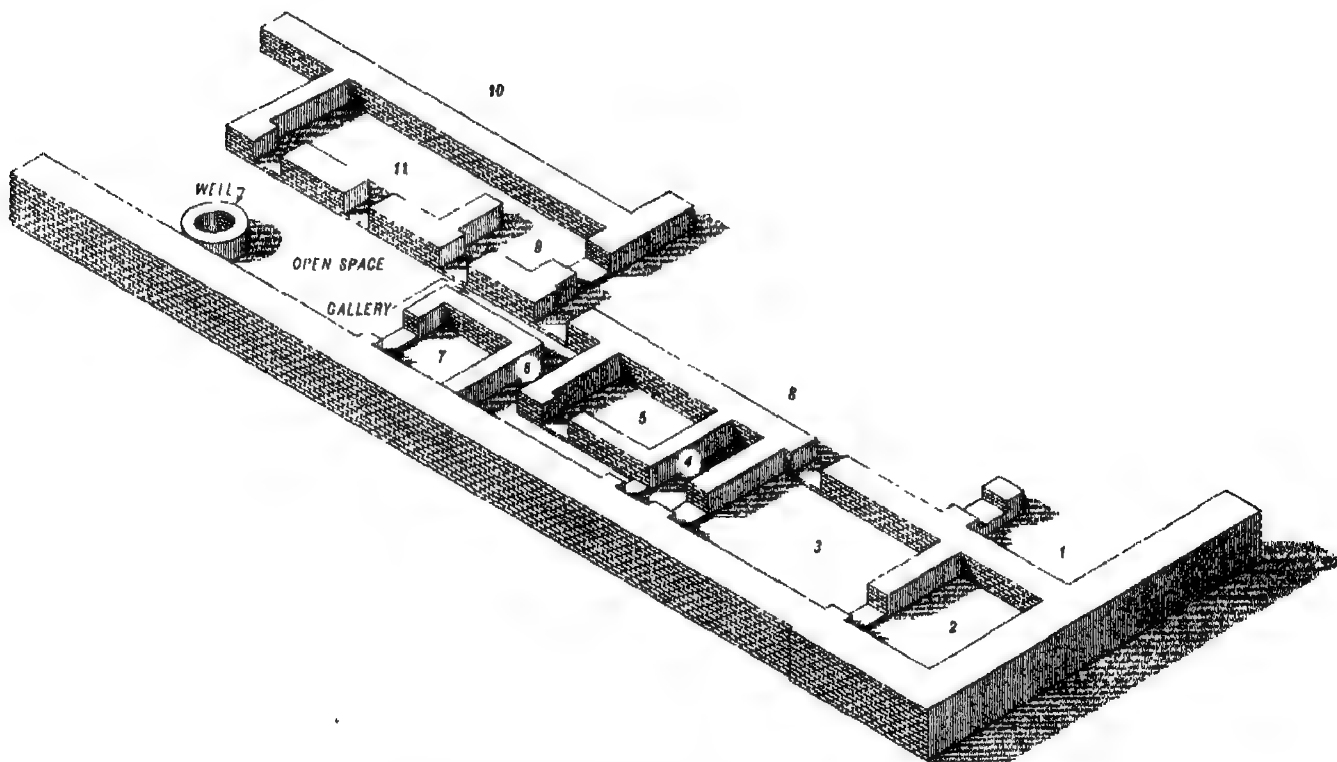


(b) PANORAMIC VIEW OF TRENCHES IV AND V WITH WORKMEN'S QUARTERS TO RIGHT, FROM WEST



a MOUND F, TRENCH IV, WORKMEN'S QUARTERS. ISOMETRIC PROJECTION OF HOUSES 2 & 4





b. MOUND F, TRENCH VI, ISOMETRIC PROJECTION OF HOUSE 1





(a) TRENCH IV. DEEP DIGGING SHOWING SEVERAL LAYERS OF NODULES.



(b) TRENCH V. BOVINE BONES AND COPPER SPEAR-HEAD No. 10008 BELOW A WALL OF STRATUM IV IN SQ. J 12/25.



(c) TRENCH V. GENERAL VIEW, LOOKING EAST.



(d) TRENCH V. WELL WITH PAVEMENT AND WATER JARS, FROM NORTH-WEST.



(*a*) FURNACE Fa WITH A PART OF THE ROOF VAULT LYING INSIDE.



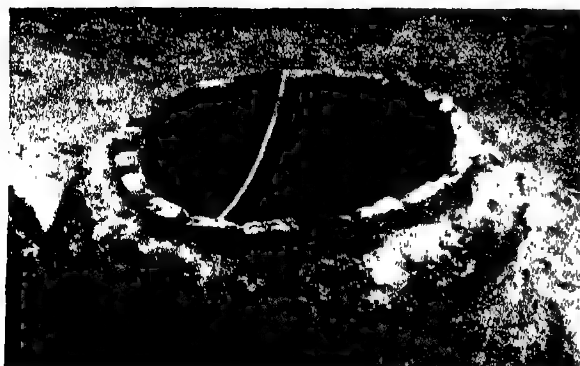
(*b*) FURNACE Fa SHOWING FLUES IN THE VAULT AFTER CLEARANCE.



(*c*) FURNACE Fj.



(*d*) FURNACE Fc WITH DIVIDING WALL INSIDE.



(*e*) PAVED CIRCULAR MANGER LINED WITH BRICK-ON-EDGE.



(*f*) FURNACE Ff.



(*a*) Trench V. Part of a drain with lime plaster in Sq. J 12/9.



(*b*) Trench V. Deep Digging at the eastern end showing broken pottery.



(*c*) Trench V. Goblets with pointed bases *in situ* in Sq. J 12/15.



(*d*) Trench IV. *Deg*-shaped large pottery vessel covered by a wall of Stratum III in Sq. I 11/10.



(*e*) Trench IV. Furnace Fd.



(*f*) Trench IV. Furnace Fg.



(*g*) Trench IV. Large pottery vessel shaped like a goblet with pointed base in Sq. I 12/7.



(*a*) GENERAL VIEW FROM NORTH-WEST-NORTH.



(*b*) GENERAL VIEW FROM SOUTH-EAST-SOUTH.



(*c*) VIEW OF THE CENTRAL SECTION SHOWING STRATA I TO VI FROM NORTH-WEST.



(*d*) DETAIL VIEW OF MUD HUTS AT THE SOUTHERN END.



(b) Deep Digging and the Northern Section showing light strata of occupation, from south-west.



(d) Central Section showing a fine rectangular pavement of Stratum V



(a) View of the Northern Section, from south-west



(c) Crushed pottery lying against a wall of Stratum V in Sq. M 11/11.



(*a*) Central Section. Seals, weights, etc. of Stratum IV *in situ*.



(*b*) Central Section. Copper Jar No. 277 of Stratum III *in situ*.



(*c*) Western cutting of the Deep Digging showing compressed layers of green earth preceded and followed by soft white soil.



(*d*) Eastern part of the Deep Digging showing bovine bones including forepart of a skull.



(*a*) Northern Section, pottery jars 1033 A and B besides a broken pavement of stratum III.



(*b*) Northern Section, post-cremation urn No. 3686 in Sq. M 10/15 with a human tibia inside.



(*c*) Southern Section showing two rectangular hearths of stratum IV and circular mangers of stratum V in Sq. M 12/19



(*d*) Partial view of pottery in Sq. M 12/17.



(*e*) Inscribed jar and jar-stands of stratum VI in Sq. M 12/6



(*f*) Broad and shallow trough of stratum VI in Sq. M 11/13.



HARAPPA

MOUND F

TRENCH III

SCALE

FEET 10 0 10 20 30 40 FEET

N

GRANARY — N9/19 — HOUSE 2 — LANE — HOUSE 1 — FILLING OF NODULES AND POTSHERDS — PAVING ST III — PAVING ST IV — MUD WALLS — DRAIN

REFERENCES

STRATUM	I	STRATUM	V
DO	II	DO	VI
DO	III	DO	VII
DO	IV		

ST = STRATUM



(*a*) TRENCH III. PARTIAL VIEW OF HOUSES 1 AND 2 OF STRATUM IV, FROM SOUTH-WEST.



(*b*) TRENCH III. GROUP OF POLYCHROME AND OTHER POTTERY NO. 5723 *in situ*.



(*c*) TRENCH VI. BOVINE BONES AND POTTERY IN SINK 1 IN SQ. P 10 8.



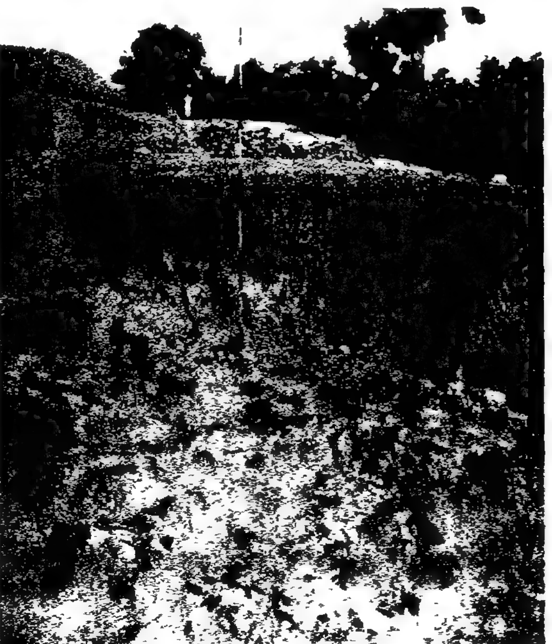
(*d*) TRENCH III. CONTENTS OF A POST-CREMATION URN LYING IN THE LANE BETWEEN HOUSES 1 AND 2.



(a) EASTERN PART OF HOUSE 1 OF STRATUM IV, FROM NORTH-WEST.



(b) WESTERN PART SHOWING IN THE FOREGROUND JAR-STANDS EMBEDDED IN A LARGE PAVEMENT, LOOKING NORTH.



(c) BURIAL AND NON-BURIAL TYPES OF POTSHERDS MIXED WITH BOVINE BONES AND BRICKBATS IN SQUARES P 10,11 AND P 9,15.



(d) ALTERNATE COURSES OF MUD AND BURNT BRICKS IN THE OUTER WALLS OF ROOM 1, HOUSE 2, FROM NORTH-EAST.



(a) Eastern part of House 1 of stratum IV and other structures, from north-east.



(b) Extension 1, back part of a house buried under fields, from north-west.



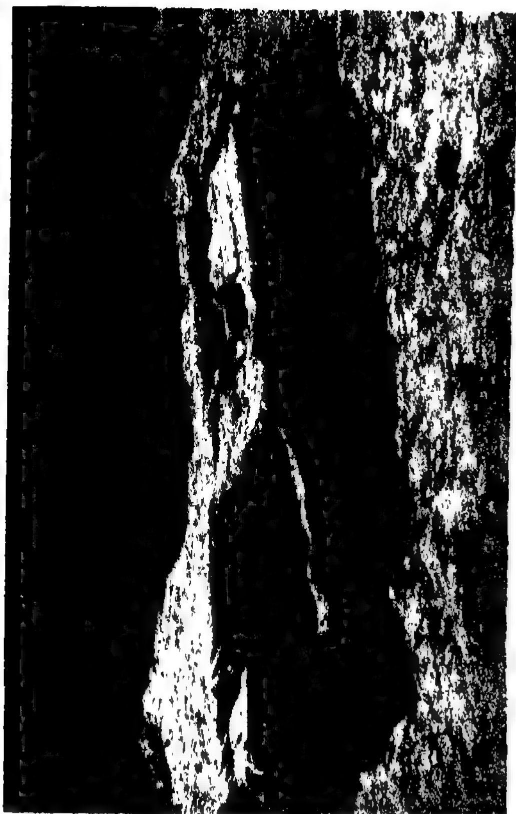
(c) Earthenware jars of strata I to III in the southern part of the northern section, looking west.



(d) Lane to the east of Houses 1 and 2 blocked by later walls, from south.



(a) GENERAL VIEW SHOWING MULTIPLE STRATA, FROM SOUTH-WEST



(b) RECTANGULAR PAVEMENT WITH BRICK EDGING IN TWO PARTS



(c) HEAP OF ANIMAL BONES OF STRATUM IV FOUND IN THE CENTRE OF THE TRENCH.



(d) GENERAL VIEW FROM EAST-SOUTH-EAST.



(*a*) GENERAL VIEW SHOWING FRAGMENTARY NATURE OF THE REMAINS, FROM SOUTH-EAST



(*b*) EASTERN PART SHOWING PAVEMENTS, GABLE ROOFED DRAIN ACROSS THE CENTRE AND SHED OVER BURIAL NO. 5440 IN THE BACKGROUND, FROM NORTH-WEST-NORTH



(*c*) LARGE DRAIN OF STRATUM V WITH A GABLE ROOFED DRAIN ABOVE, FROM EAST.



(*d*) GENERAL VIEW SHOWING A DILAPIDATED PAVEMENT AND FRAGMENTARY REMAINS, LOOKING EAST.



(a) SPILL WATER JARS ENCLOSED BY BRICK RESERVOIRS EMBEDDED ALONG THE WESTERN END OF A GABLE ROOFED DRAIN OF STRATUM IV FROM NORTH-EAST.



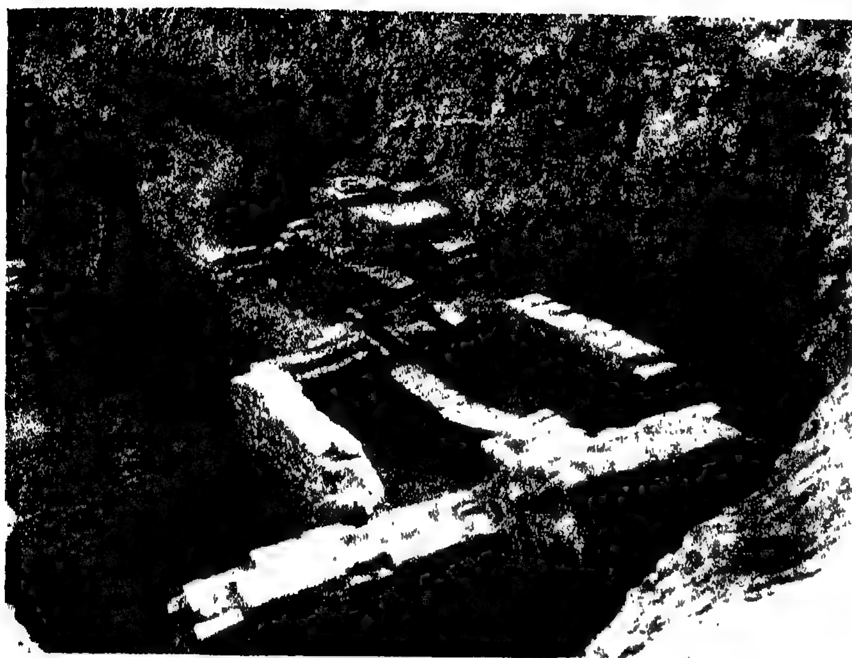
(b) HOUSE 1 OF STRATUM III CONSTRUCTED AGAINST AN EXISTING WALL OF STRATUM IV FROM SOUTH-EAST.



(c) SAUCER-SHAPED DEPRESSION OF STRATUM III WITH FILMY COATING OF FULLER'S EARTH



(d) ENCLOSURE SHOWING FRACTIONAL BURIAL No. 3440, FROM NORTH-WEST.



(*a*) PIT IV. REMAINS OF A ROOM AND DRAIN OF STRATUM IV WITH A LATER PAVEMENT IN THE BACKGROUND, FROM SOUTH-WEST.



(*b*) EXTENSION OF PITS I AND II. POST-CREMATION TROUGH NO. 3868 CONTAINING A TORTOISE SHELL, POTTERY, ETC.



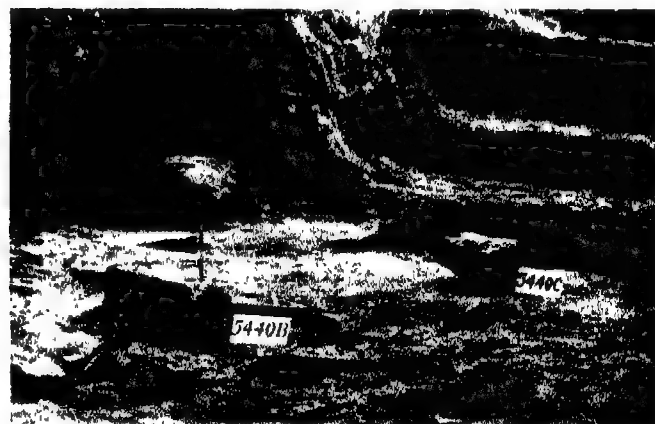
(*c*) DRAINAGE JARS ENCLOSED IN BRICK RESERVOIRS EMBEDDED ALONG THE WESTERN END OF THE GABLE ROOFED DRAIN OF STRATUM IV



(*d*) PIT III FRAGMENTARY REMAINS, FROM NORTH-WEST.



(*e*) EXTENSION OF PITS I AND II. A CURTAIN WALL OF STRATUM IV IN SQUARE Q 24/9 WITH ASHES AND CHARCOAL STICKING ON BOTH SIDES.



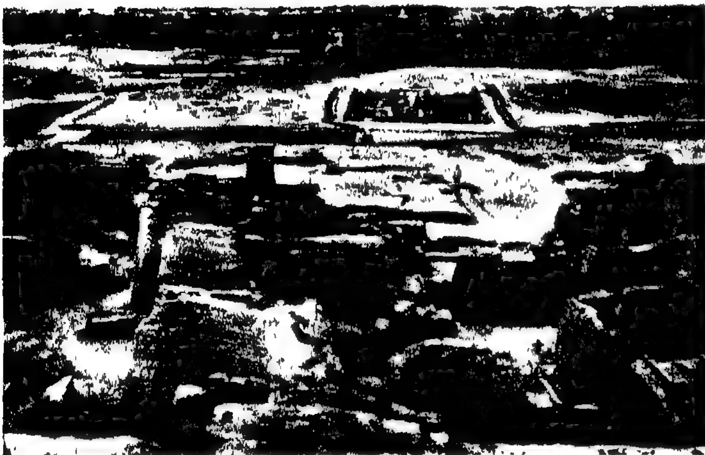
(*f*) EXTENSION OF PITS I AND II. PARTIAL VIEW OF FRACTIONAL BURIAL NO. 5440, FROM EAST.



(*a*) MOUND AS LEFT BY BRICK DIGGERS, FROM SOUTH-WEST-SOUTH.



(*b*) LONG VIEW OF CRUSHED POST-CREMATION URNS OF STRATUM V GOING ACROSS THE TRENCH, LOOKING WEST.



(*c*) GENERAL VIEW OF THE TRENCH SHOWING EXCAVATIONS IN THE BACKGROUND, AREA J, CEMETERY H AND MUSEUM, LOOKING SOUTH.



(*d*) LONG BRICK-ON-EDGE PAVEMENT OF STRATUM IV WITH SEVERAL PARTITIONS, LOOKING SOUTH.



(*e*) GENERAL VIEW SHOWING MUD BRICK TERRACE IN THE FOREGROUND, FROM SOUTH.



(*f*) DOUBLE WELL OF STRATUM III SHOWING TWO RINGS WITH CLAY FILLING IN BETWEEN.



(b) TRENCH I HOUSE 4 SHOWING *Kachcha* ROOMS, FROM SOUTH-WEST.

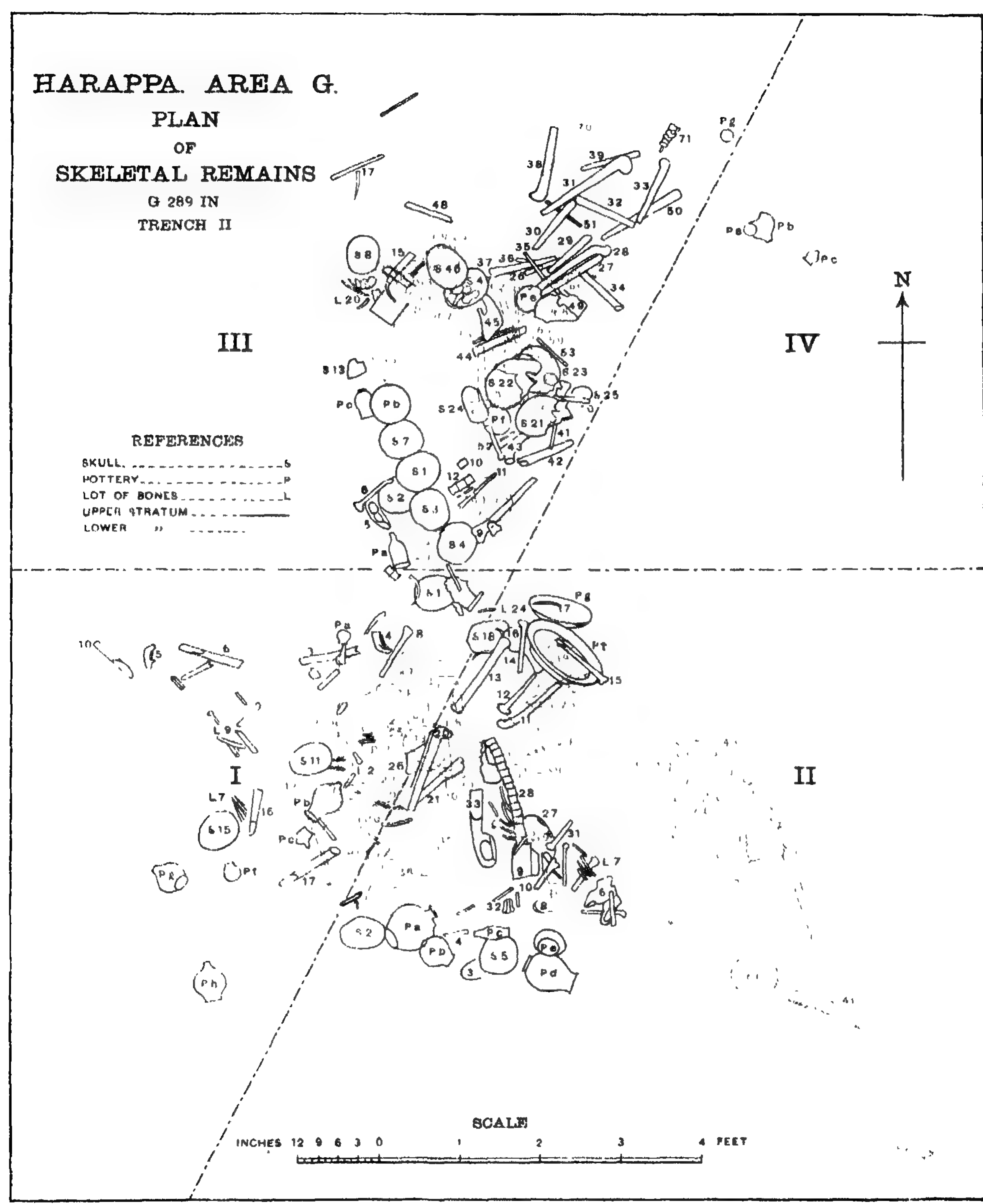


(d) TRENCH III, LOOKING EAST.

(a) TRENCH I, GENERAL VIEW FROM NORTH-WEST



(c) TRENCH II, GENERAL VIEW, LOOKING SOUTH.


HARAPPA. AREA G.
PLAN
OF
SKELETAL REMAINS
G 289 IN
TRENCH II
REFERENCES
SKULL .... S
POTTERY .... P
LOT OF BONES L
UPPER STRATUM
LOWER "
III
IV
I
II
N
SCALE
INCHES 12 9 6 3 0 1 2 3 4 FEET



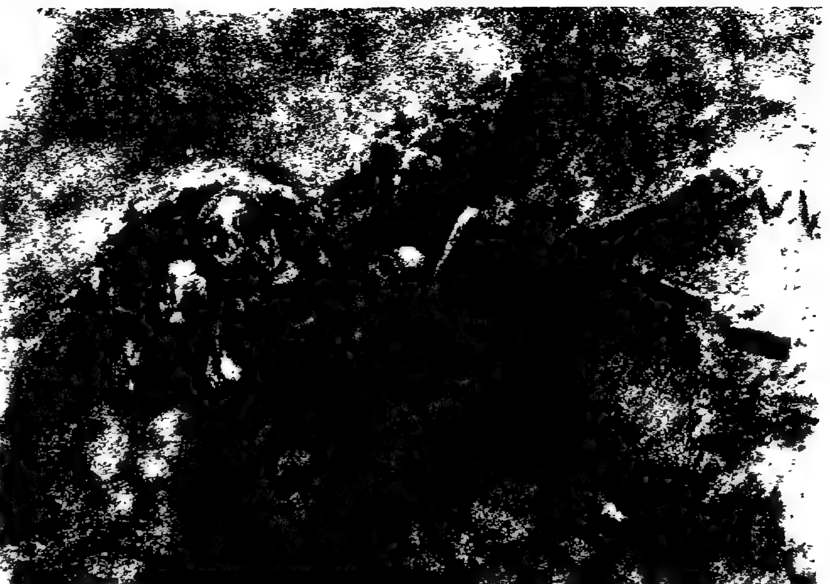
(*a*) Partial view of the skeletal remains No. G 289, from south-east.



(*b*) Pottery group No. G 130 *in situ*.



(a) Pottery group No. G 15 *in situ*



(b) Partial view of skeletal remains No. G 289 showing skulls S21, S22, S23 and S46, etc., packed together in Division III, from east.



(c) Partial view of skeletal remains No. G 289 showing skulls S1 to S4 with food plates, etc., in Division III, from west.



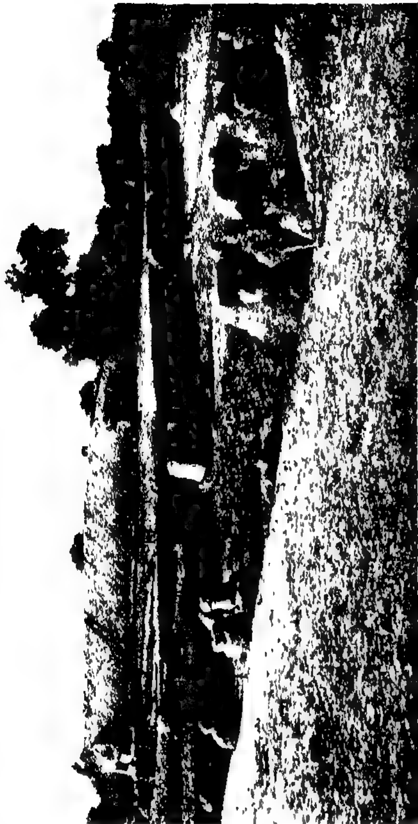
(d) Partial view of skeletal remains No. G 289 with some animal and human bones in Division III, from south-east.



(*a*) Pot-burials of stratum I, panoramic view, from east



(*b*) Earth-burials of stratum II, panoramic view, from west.



(a) WESTERN PART SHOWING POT-BURIALS OF STRATUM I, FROM NORTH.



(b) EASTERN EXTENSION SHOWING POT-BURIALS OF STRATUM I, FROM NORTH-EAST.



(c) GROUP OF POT-BURIALS NO. 7435 A TO G, FROM SOUTH-EAST.



(c) GROUP OF POT-BURIALS NO. H 200, A TO K, FROM EAST.



(d) GROUPS OF POT-BURIALS NOS. H 151 TO H 154, FROM NORTH-WEST.



(*a*) CENTRAL PORTION SHOWING BURIAL POTTERY OF STRATA I AND II, FROM SOUTH-EAST.



(*b*) DEEP DIGGING AT THE NORTH-EAST CORNER SHOWING RIVER SILT AND POCKETS OF RUBBISH, LOOKING NORTH.



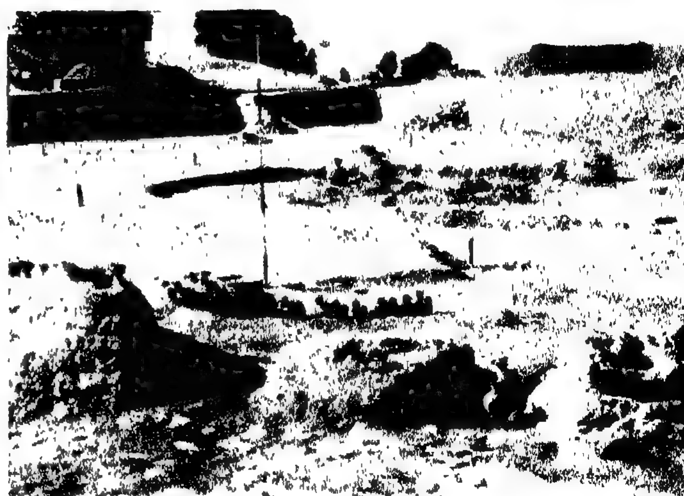
(*c*) BURIAL POTTERY OF STRATUM II, FROM SOUTH.



(*d*) GROUP OF POT BURIALS NO. H 231, FROM WEST.



(*e*) BURIAL POTTERY OF STRATA I AND II IN SQUARES R 33/25 AND R 34/21, FROM NORTH-EAST.



(*f*) EARTH-BURIAL NO. H 184, ETC., FROM NORTH.



(*a*) Extension of Western Section. Pot-burials of stratum I, general view, from east.



(*b*) Extension of Western Section. Fractional burials of stratum II, general view, from east.



(*c*) Extension of Western Section. Detail view of some fractional burials of stratum II, from south.



(*d*) Western Section. Pot-burials Nos. H. 243 to H. 248 crushed by the impact of cart traffic, from south-west.



(*a*) BURIAL No. H 696.



(*b*) BURIAL No. H 710.



(*c*) BURIAL No. H 695.



(*d*) BURIAL No H 699.



(*e*) BURIAL No. H 485.



(*f*) BURIAL No. H 488.



(*b*) BURIAL NO. H 306.



(*d*) BURIAL NO. H 307.



(*a*) BURIAL NO. H 698 WITH A SACRIFICED GOAT TO RIGHT.



(*c*) BURIAL NO. H 184.



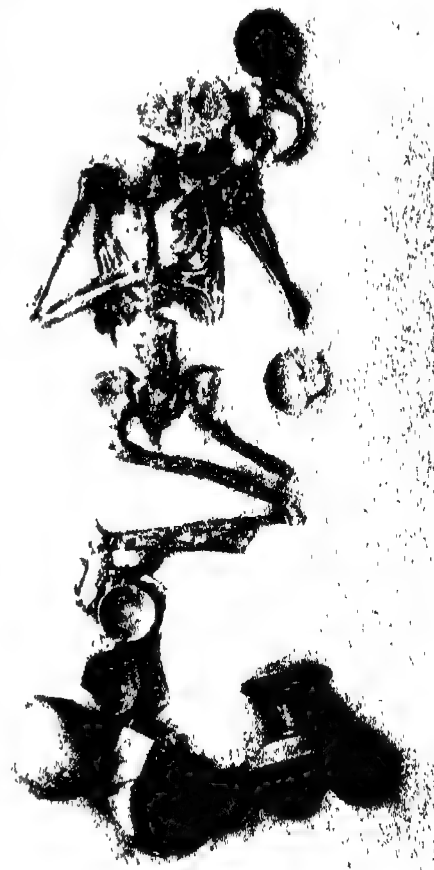
(a) BURIAL NO. H 184.



(b) BURIAL NO. H 501.



(c) BURIAL NO. H 502.



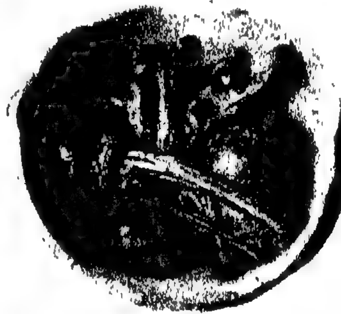
(d) BURIAL NO. H 697.



(a) CONTENTS OF THE BURIAL-POT No. H 245a



(b) CONTENTS OF THE BURIAL-POT No. H 249.



(c) CONTENTS OF THE BURIAL-POT No. H 61.



(d) CONTENTS OF THE BURIAL-POT No. H 206a.



(e) CONTENTS OF THE BURIAL-POT No. H 231.



(*a*) Burial-pot No. H 231 containing only a child's skull



(*b*) Contents of the burial-pot No. H 154*a* also showing a narrow-necked vase



(*c*) Burial-pot No. H 245 containing only a part of a lower leg.



(*d*) Burial-pot No. H 153 containing only a child's skull



(*e*) Pot-burial No. H 83 showing a baby in embryonic position.



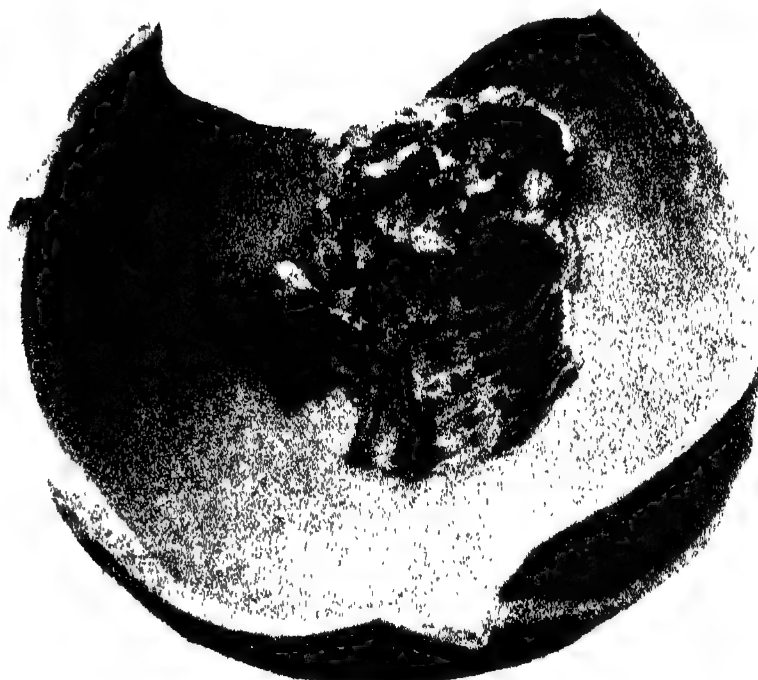
(*a*) POT-BURIAL NO. H165A CONTAINING A BABY IN EMBRYONIC POSITION



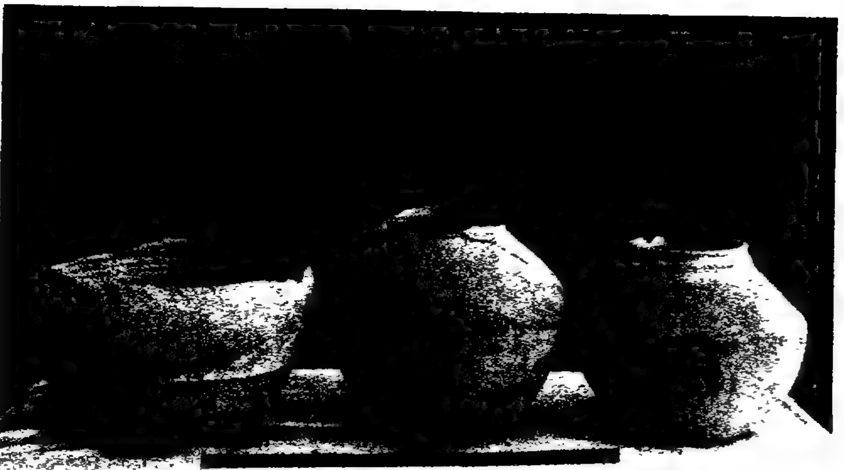
(*b*) POT-BURIAL NO. H622 CONTAINING A BABY IN EMBRYONIC POSITION.



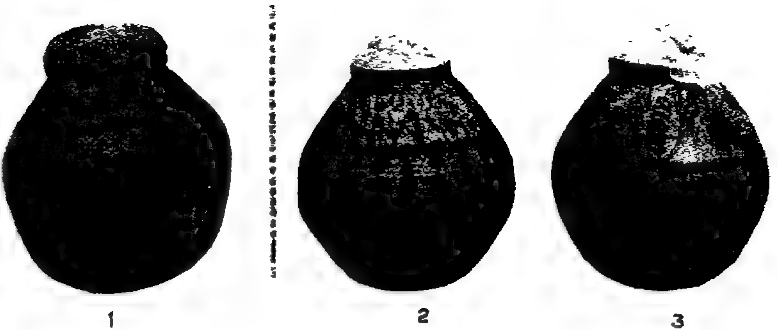
(*c*) POT-BURIAL NO. H679 CONTAINING A BABY IN EMBRYONIC POSITION.



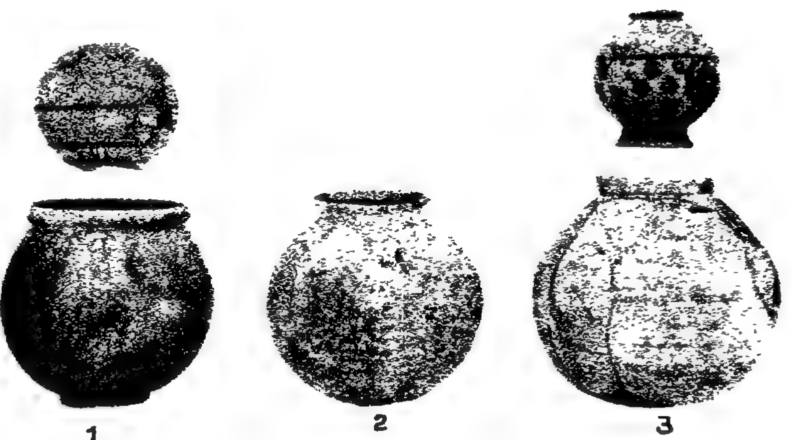
(*d*) POT-BURIAL NO. H148A CONTAINING A BABY IN EMBRYONIC POSITION.



(*a*) THE FIRST POT-BURIALS No 3031 A TO C.



(*b*) POT-BURIALS Nos H 206 *a* AND *b* AND H 245 *k* PAINTED WITH MYTHOLOGICAL SCENES



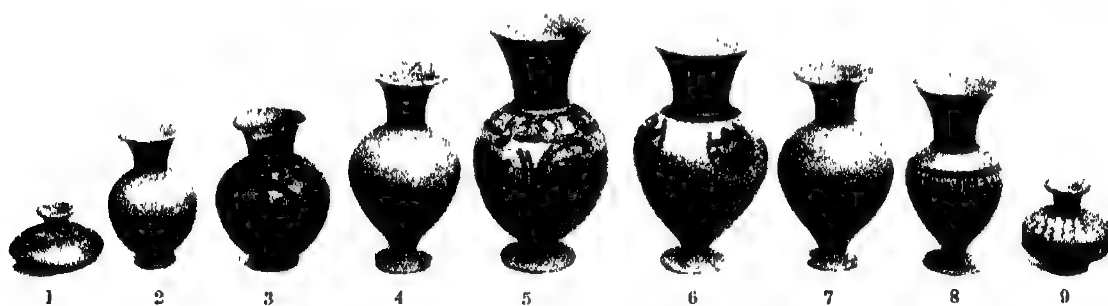
(*c*) TYPES OF BURIAL JARS WHICH CONTAINED BABIES IN EMBRYONIC POSITION.



(*d*) TYPES OF BURIAL FOOD-PLATES FROM STRATUM II.

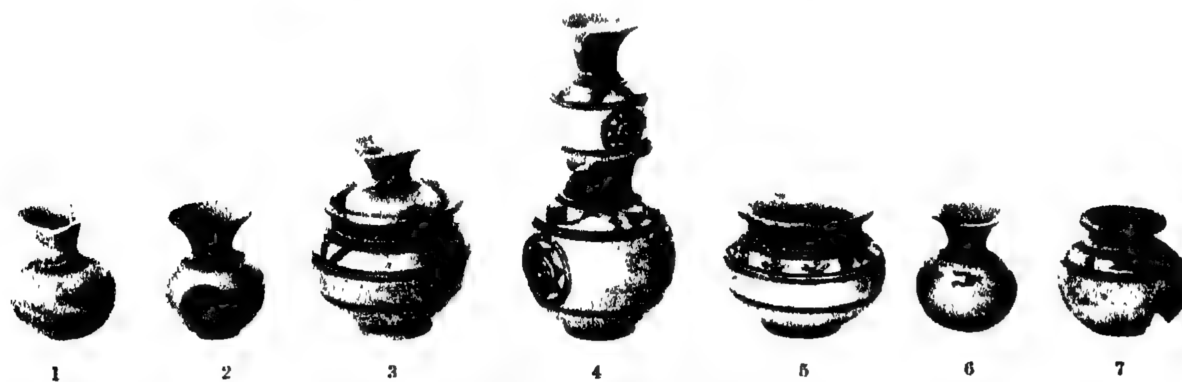


(a) AREA G, TRENCH III. GENERAL VIEW FROM SOUTH.



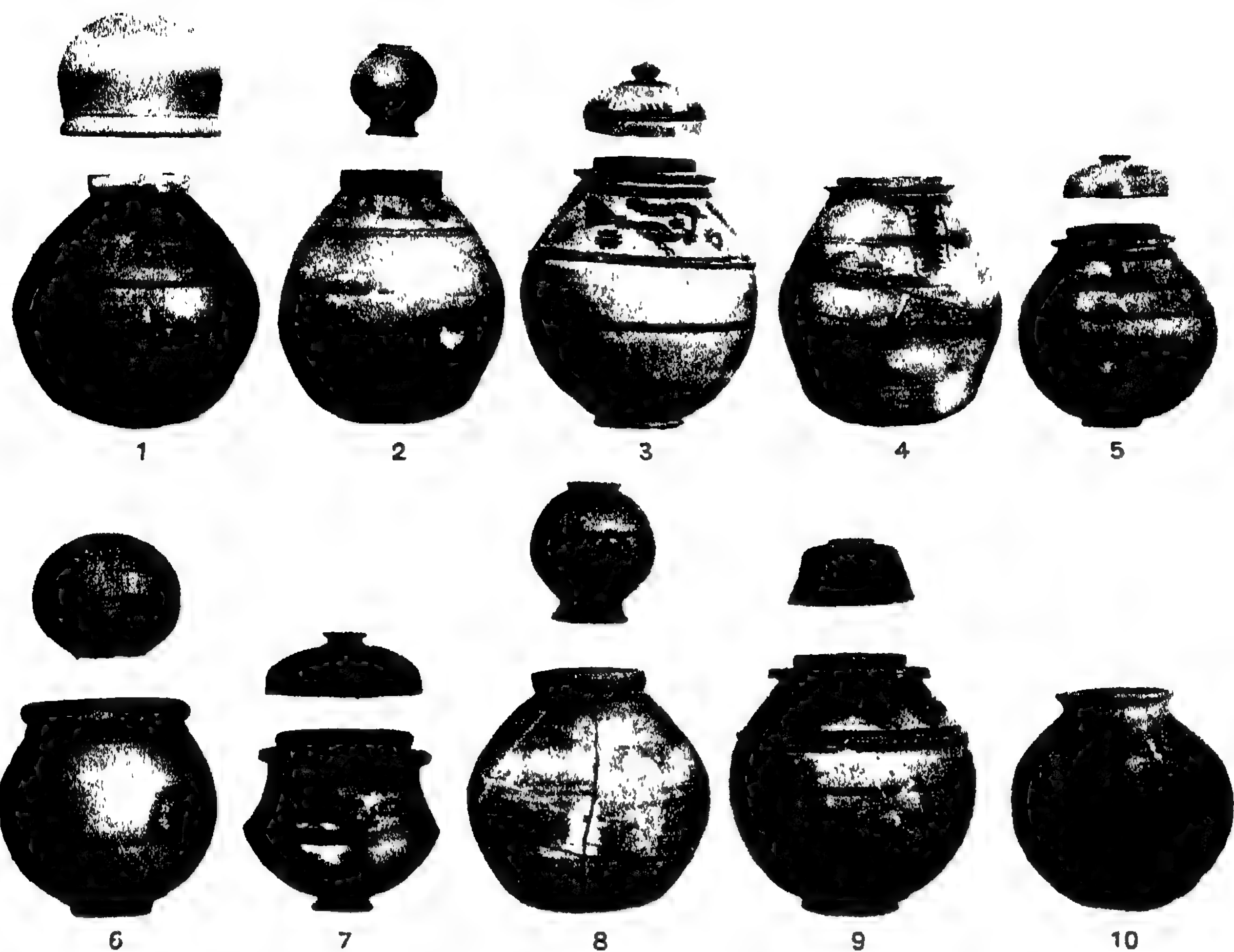
1 2 3 4 5 6 7 8 9

(b) CEMETERY H. FLASKS, ETC., MOSTLY OF STRATUM II.



1 2 3 4 5 6 7

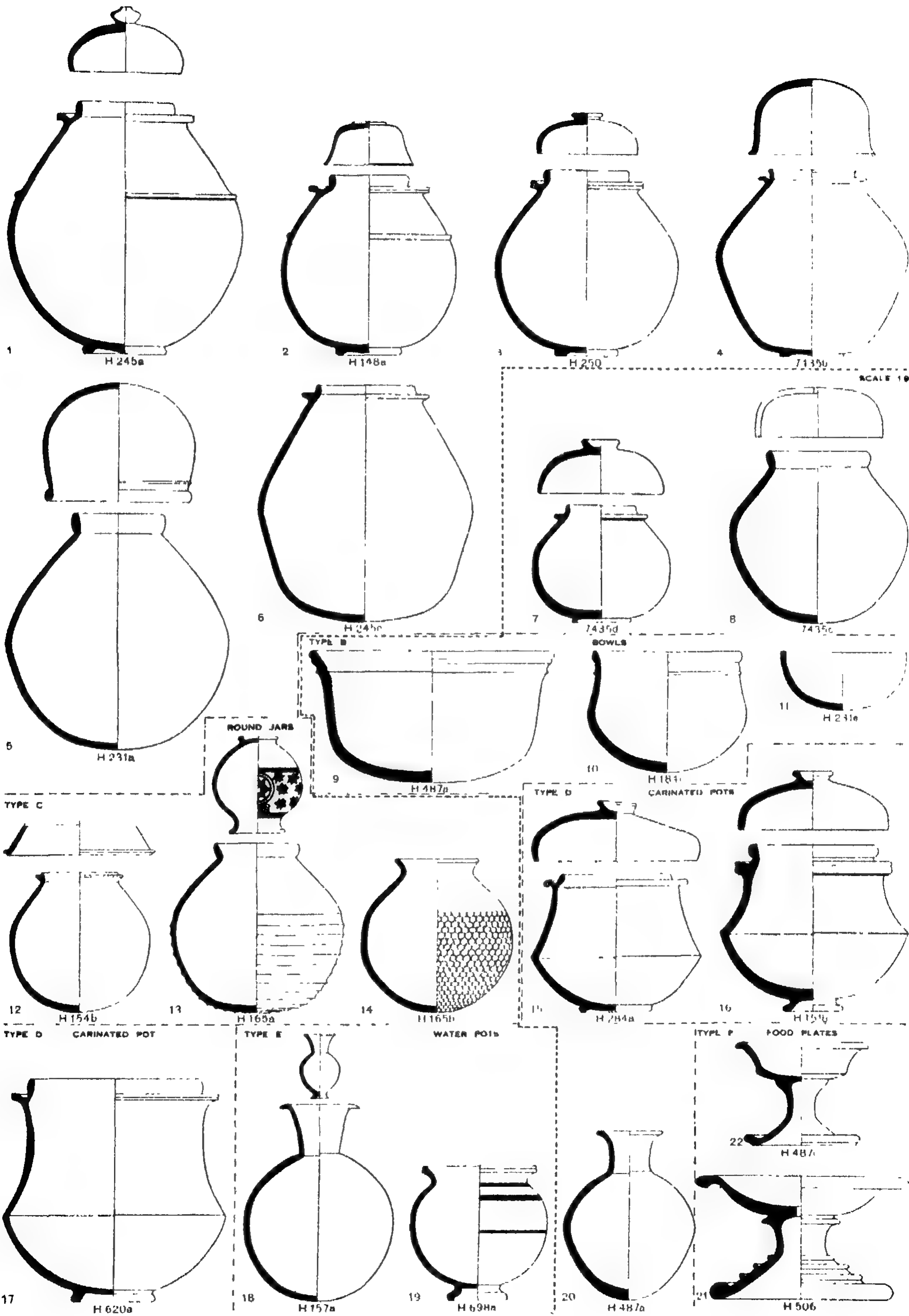
(c) CEMETERY H. POTTERY OF STRATUM II.



(*a*) TYPES OF BURIAL-POTS OF STRATUM I WITH THEIR COVERS.

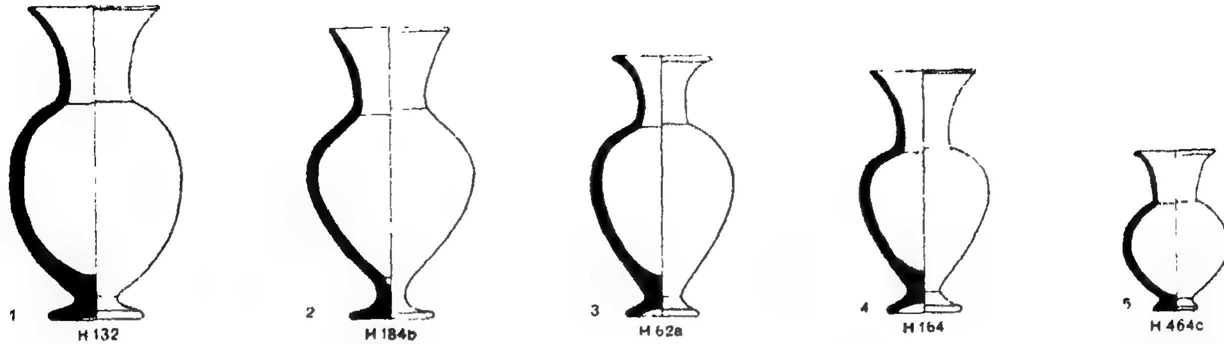


(*b*) TYPES OF POTTERY FOUND WITH EARTH-BURIALS OF STRATUM II.

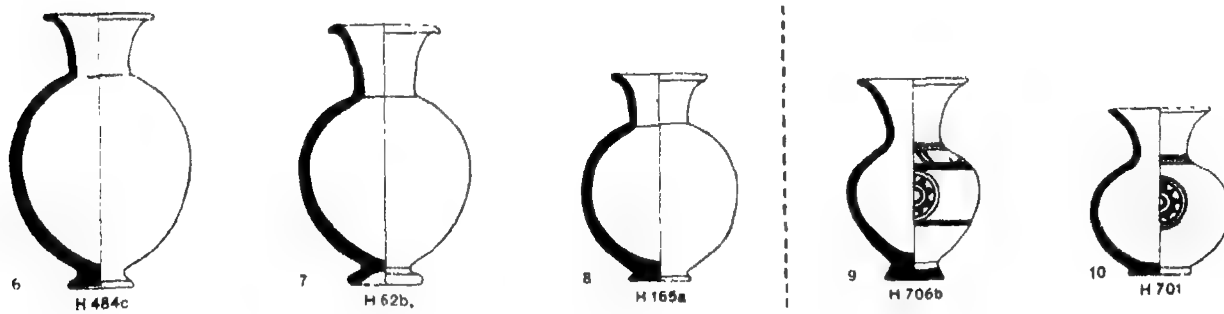

TYPE A
SCALE 1:12
1
H 245a
2
H 148a
H 250
4
4
SCALE 1:9
5
H 231a
6
7
8
TYPE B
BOWLS
9
H 487a
10
11
H 231e
ROUND JARS
TYPE C
12
H 154b
13
H 165a
14
H 165b
TYPE D
CARINATED POTS
H 284a
16
TYPE D
CARINATED POT
17
H 620a
TYPE E
WATER POTS
18
H 157a
19
20
H 487a
TYPE F
FOOD PLATES
22
21
H 506

SCALE 1:6

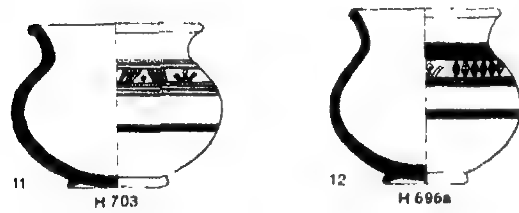
TYPE G



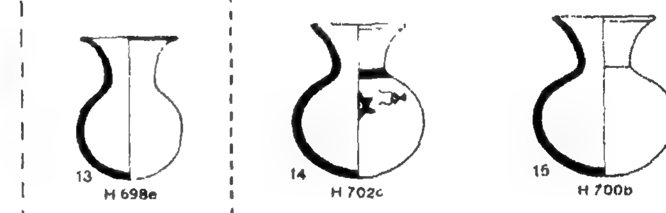
SCALE 1:4

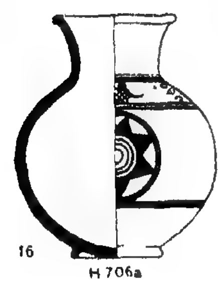


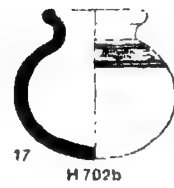
TYPE H WATER POTS



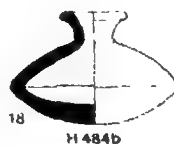
TYPE I ROUND VASES

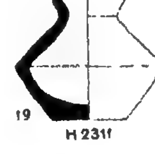


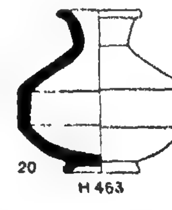




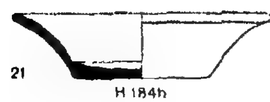
TYPE J MISCELLANEOUS VASES



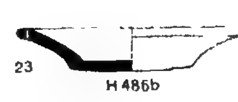


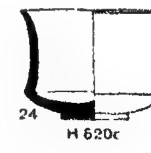


TYPE K SAUCERS

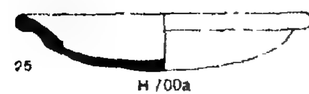




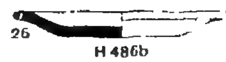


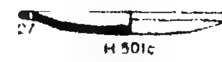


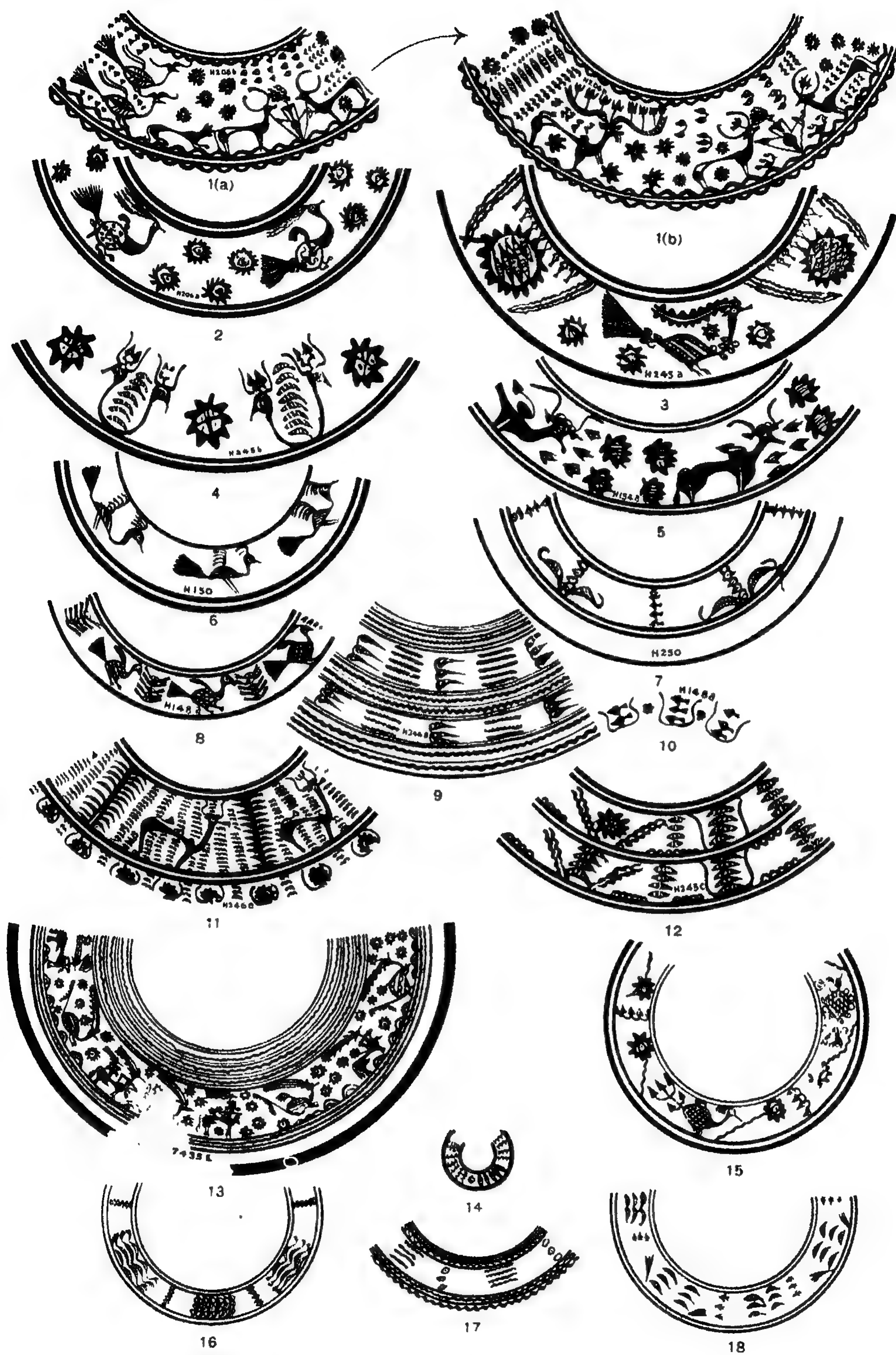
TYPE L PLAIN DISH



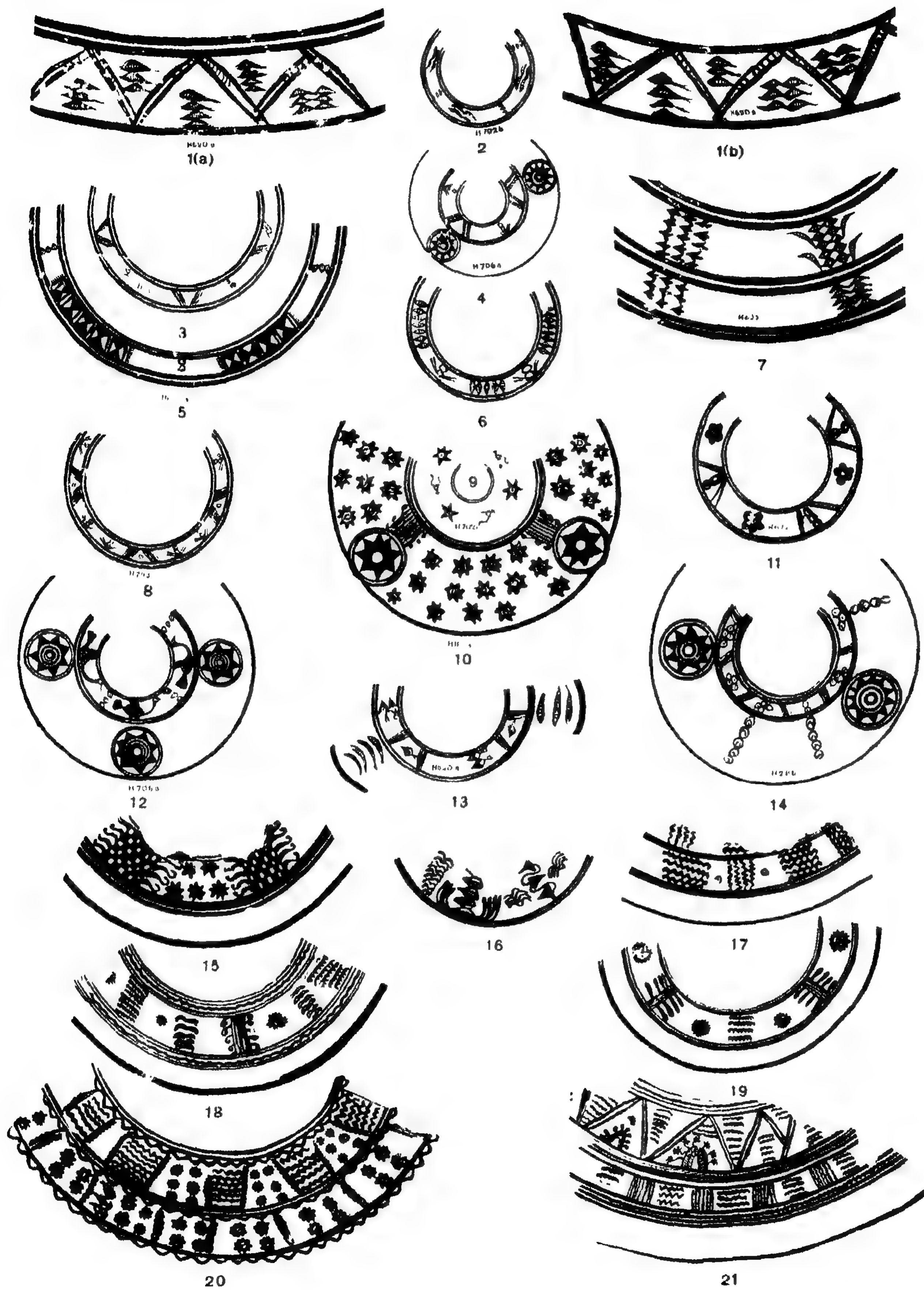
TYPE M FLAT COVERS







CEMETERY H. PAINTINGS ON BURIAL JARS.

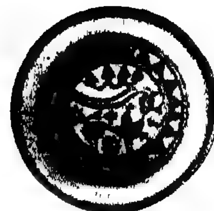


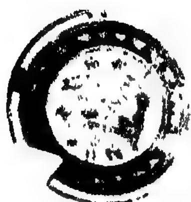
CEMETERY II. PAINTINGS ON BURIAL JARS.


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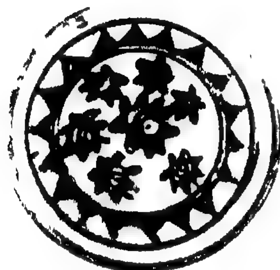

4

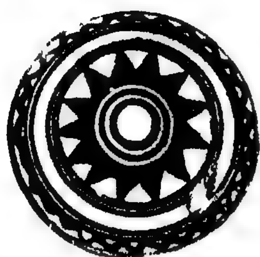

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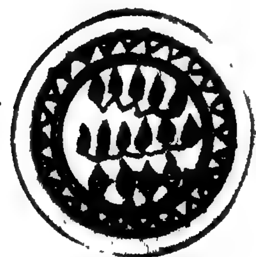

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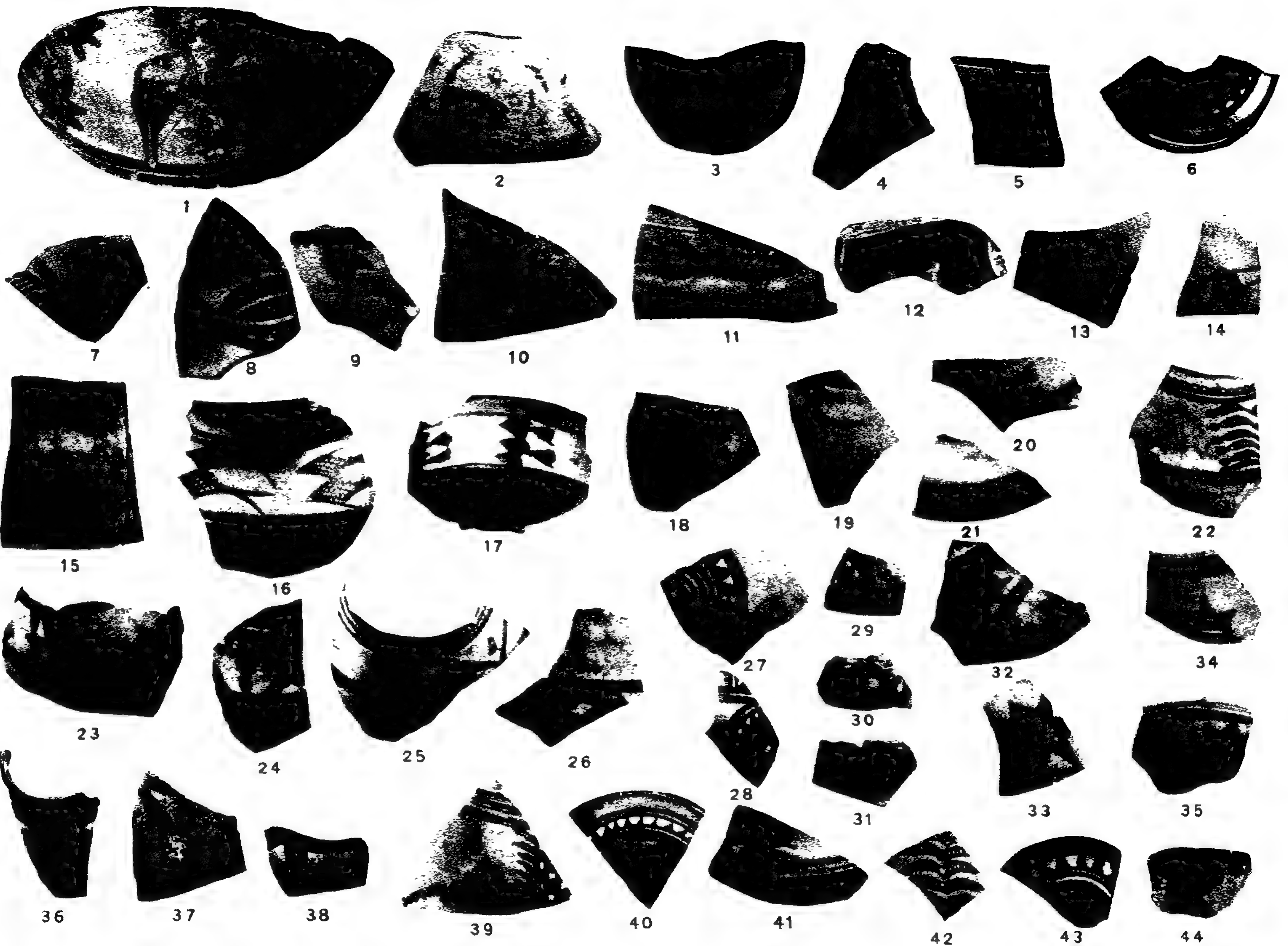

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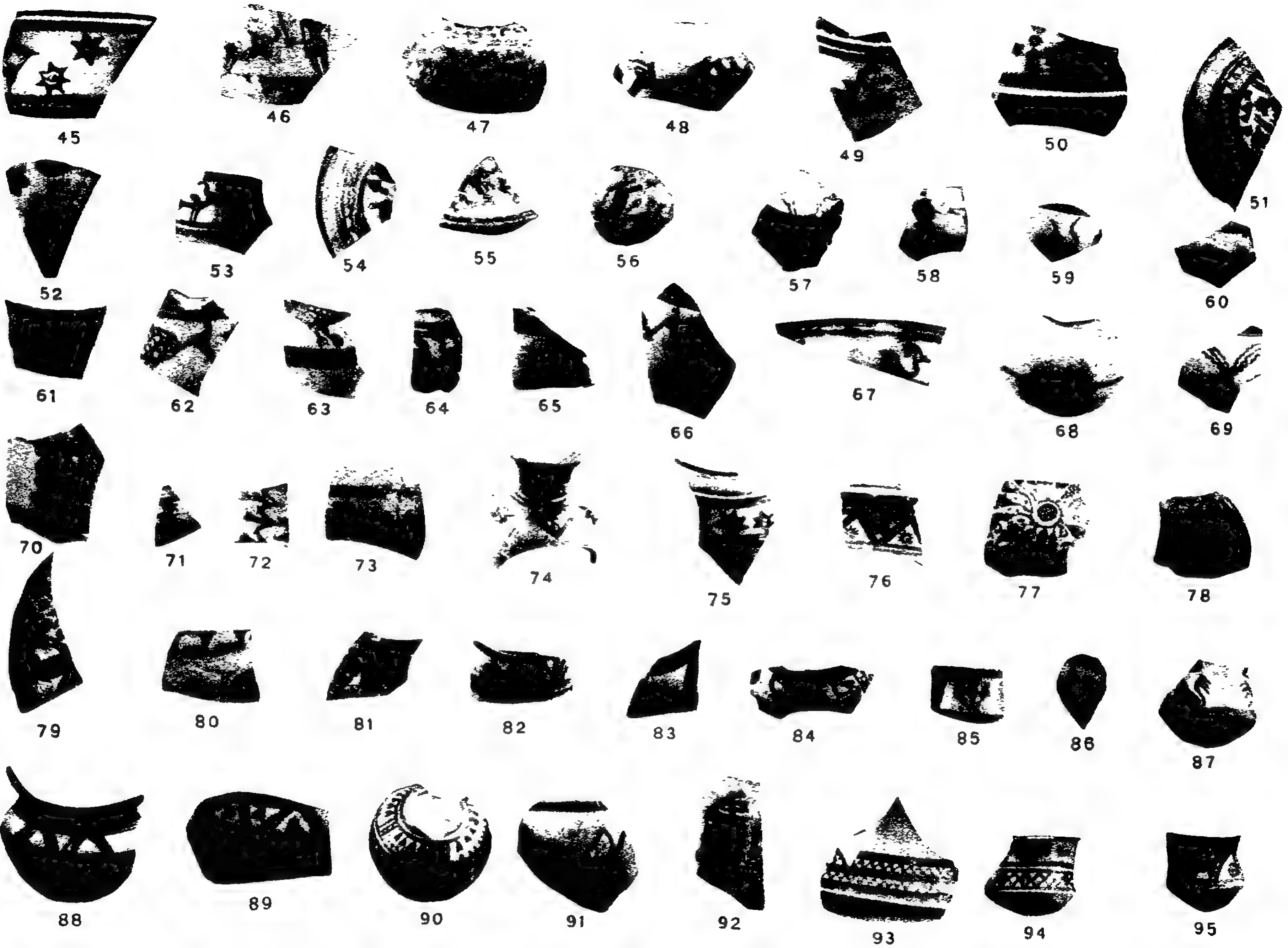

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CEMETERY II. PAINTINGS ON THE UNDERSIDE OF FLAT COVERS FROM STRATUM II.

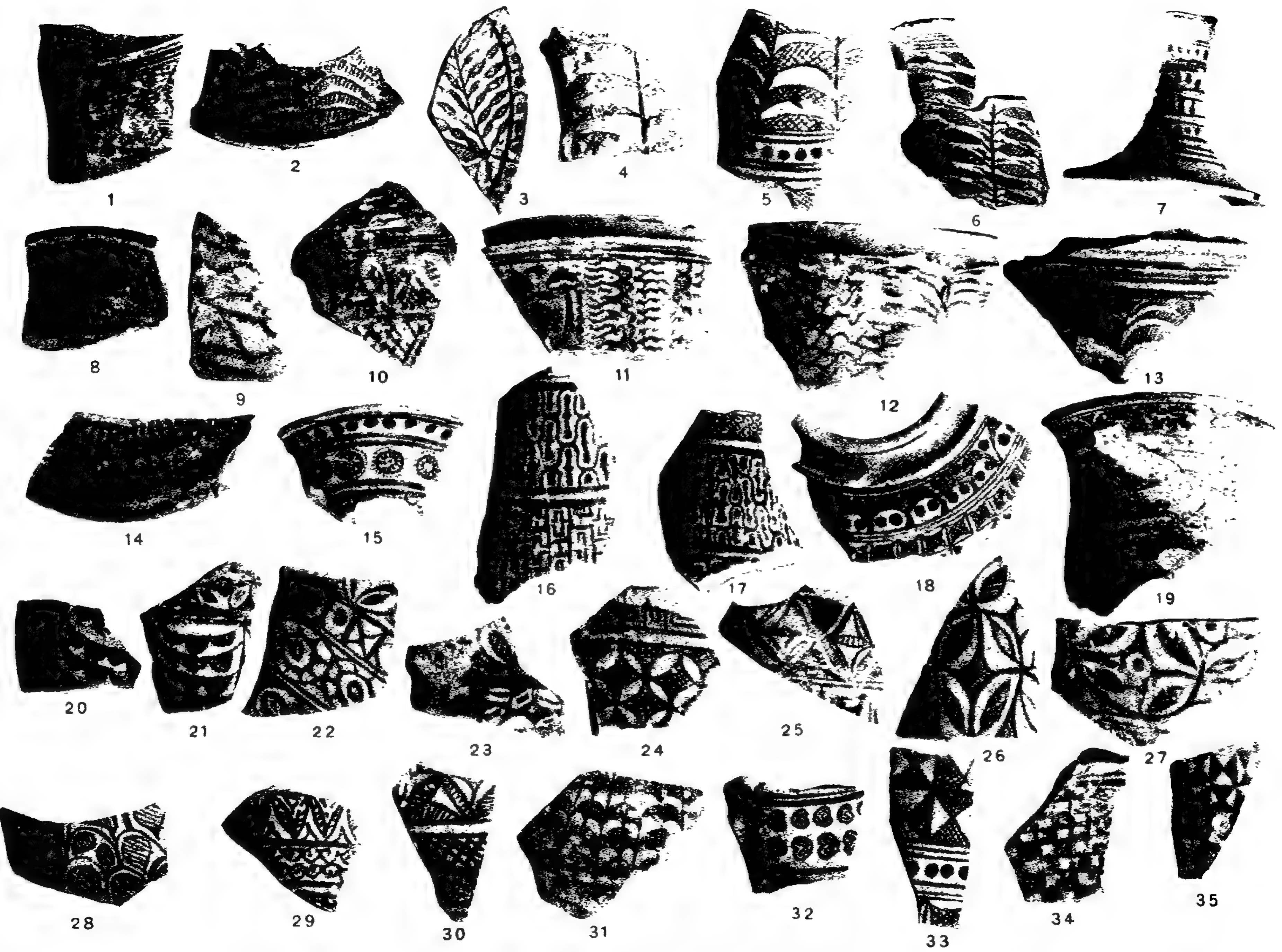


PAINTED SHERDS FROM MOUNDS TYPICAL OF BURIAL POTTERY.



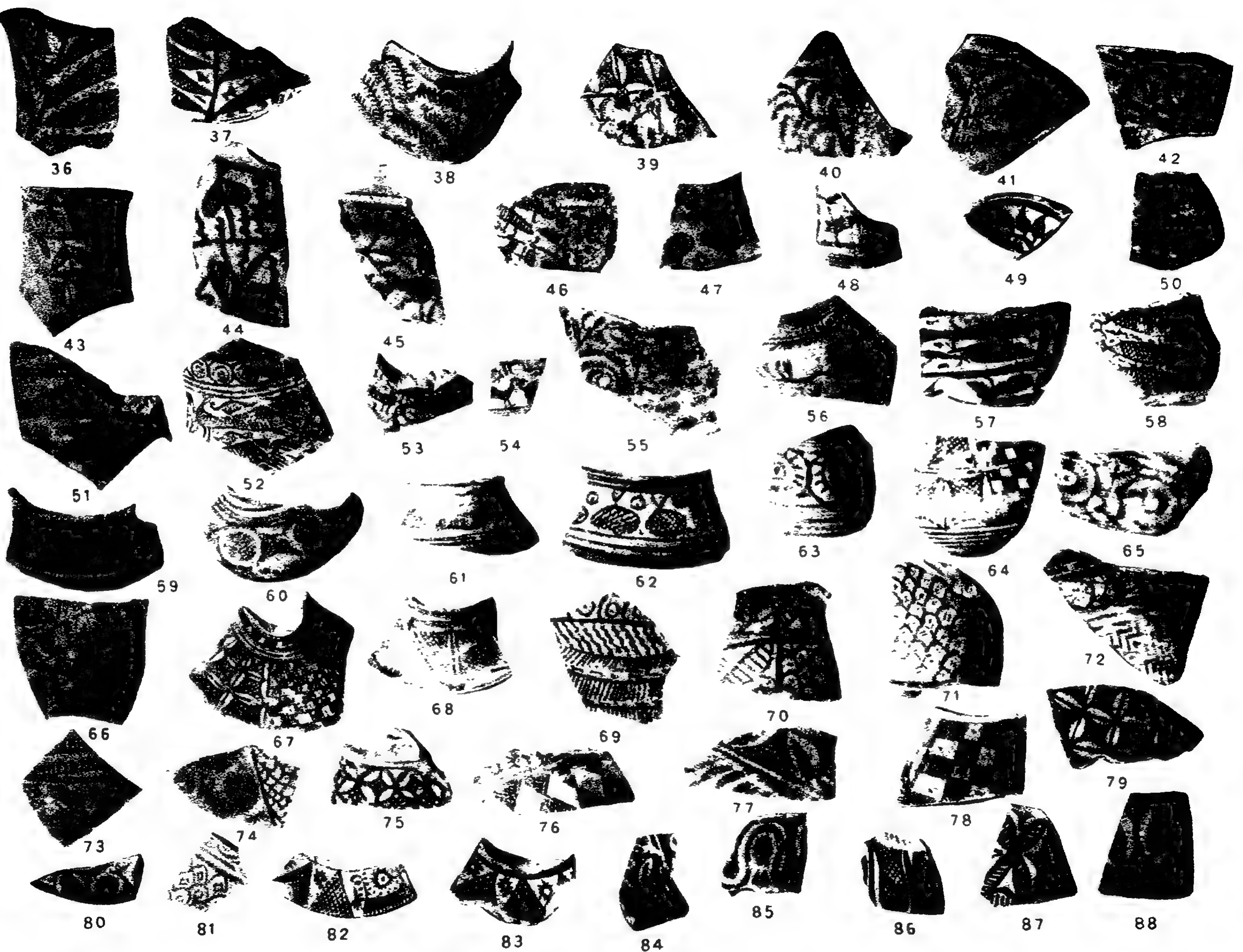
Painted sherds from mounds typical of burial pottery.

PLATE LXVII.

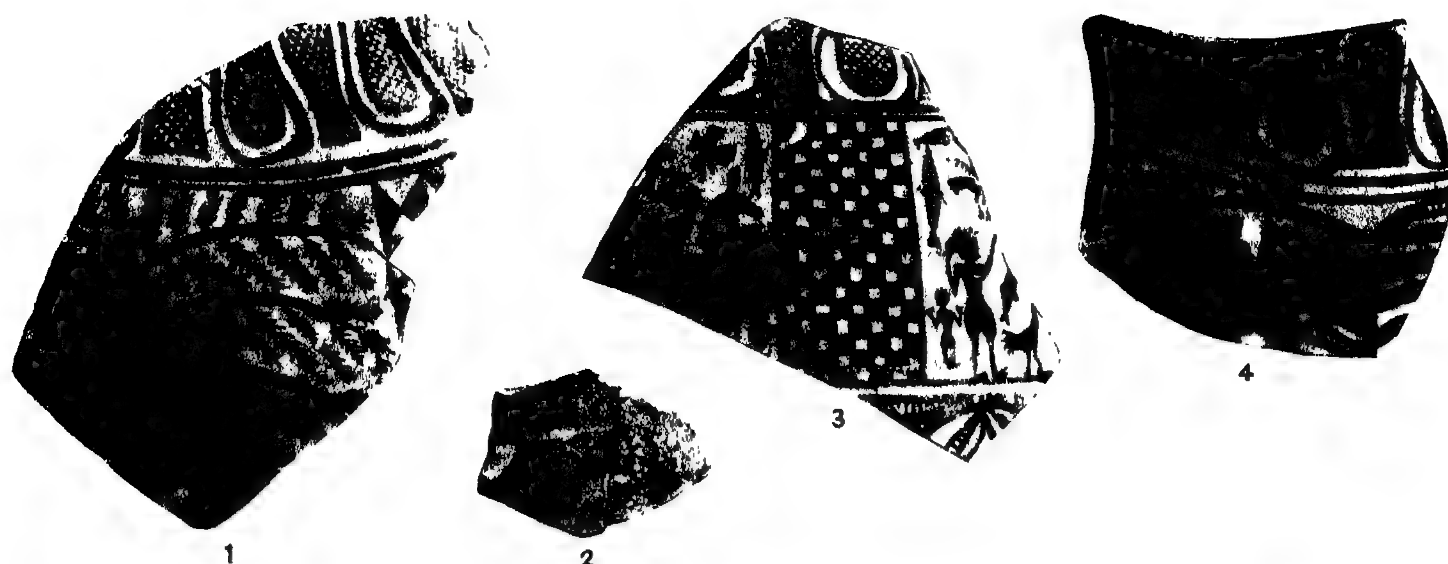


PAINTED SHERDS FROM MOUNDS TYPICAL OF HOUSEHOLD VESSELS.

PLATE LXVIII.



PAINTED SHERDS FROM MOUNDS TYPICAL OF HOUSEHOLD VESSELS.

















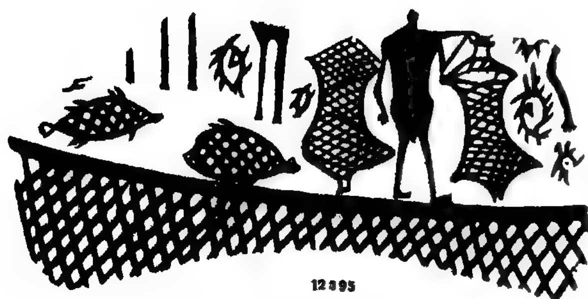




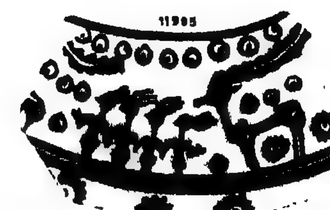




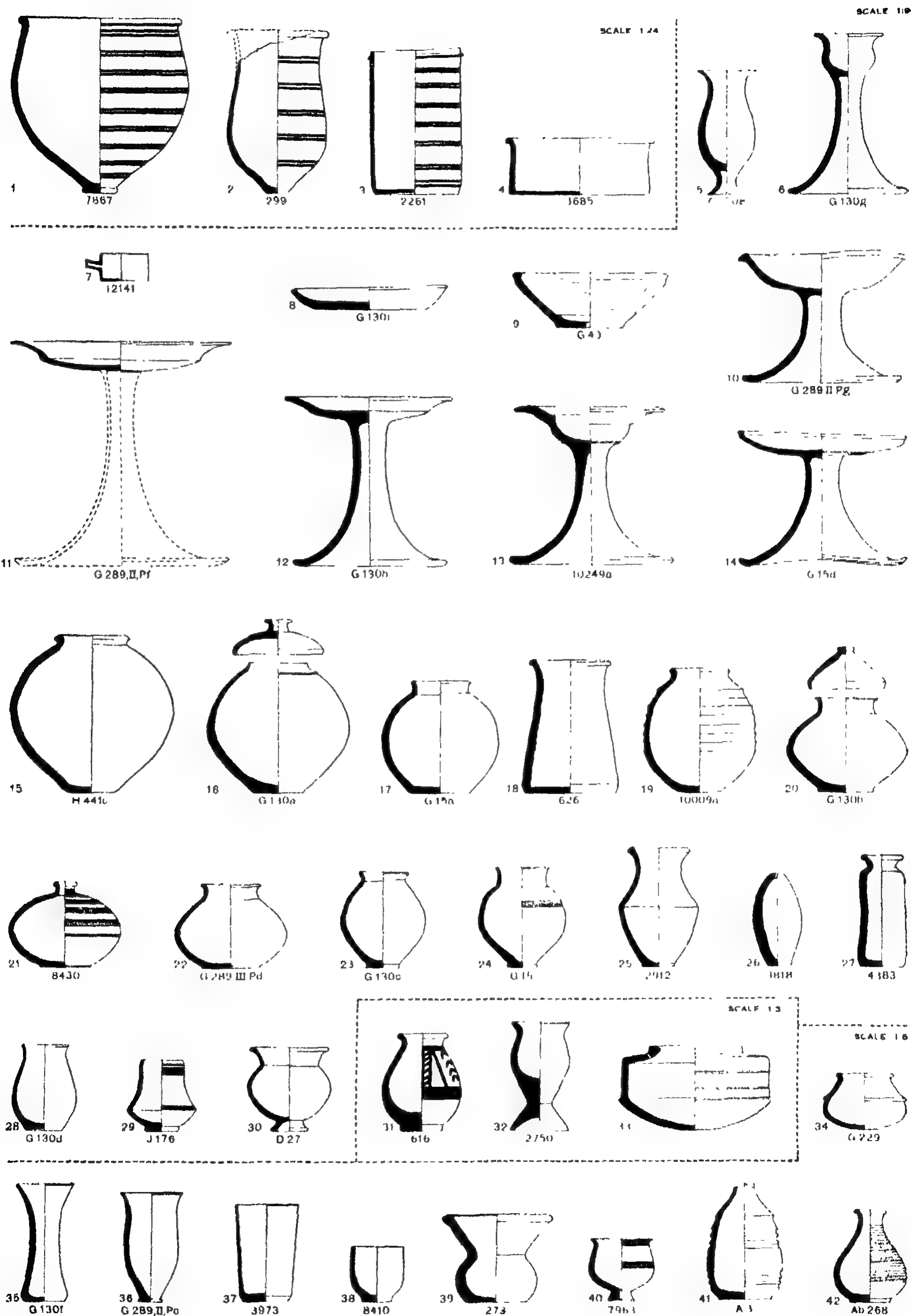






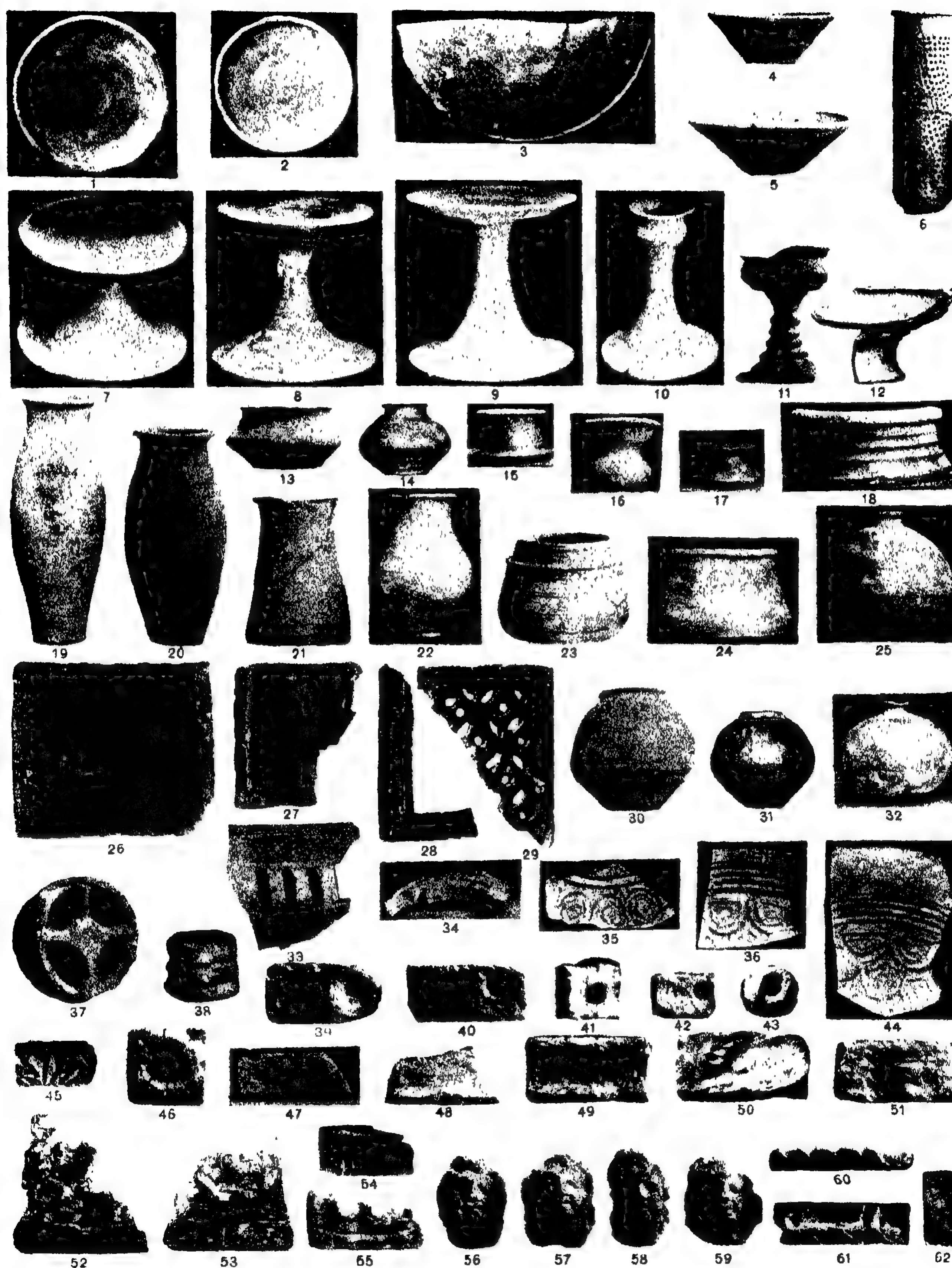


PAINTED POTTERY FROM THE MOUNDS.

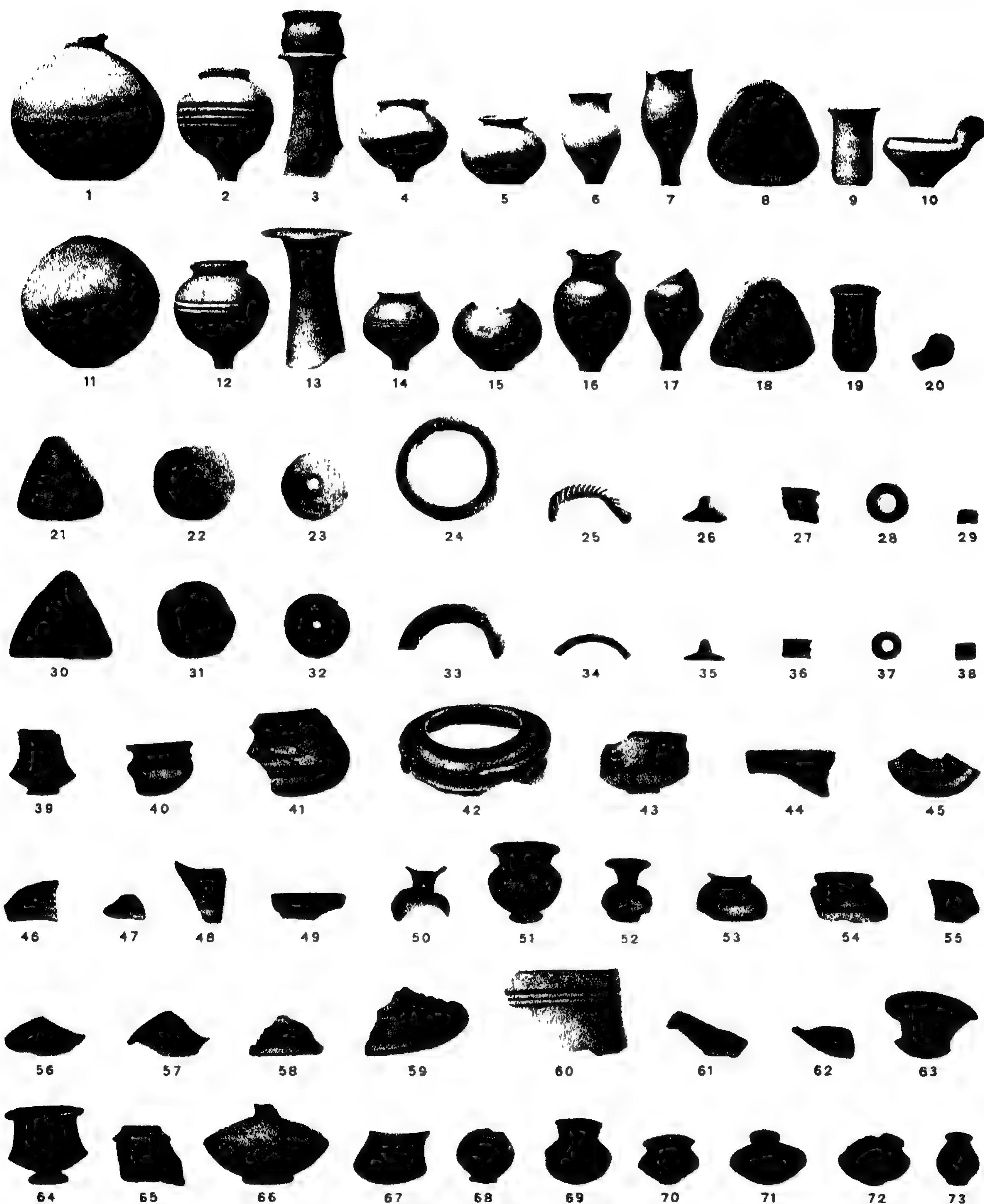




MISCELLANEOUS POTTERY.



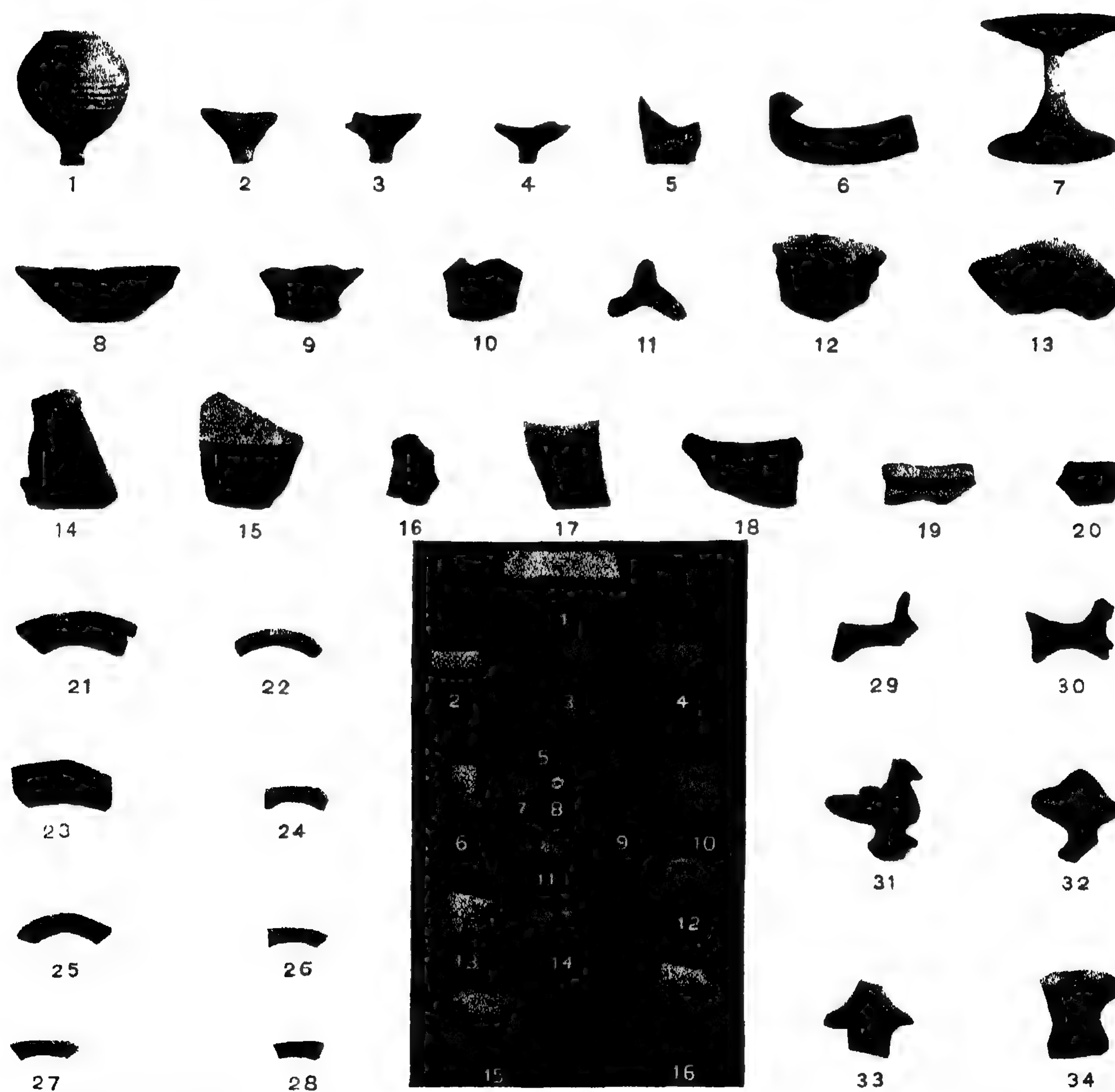
VESSELS AND MISCELLANEOUS OBJECTS OF TERRACOTTA.



MISCELLANEOUS OBJECTS FROM HARAPPA AND KOTLA NIHANG, AND POTTERY TYPICAL OF CEMETERY H FROM HARAPPA.



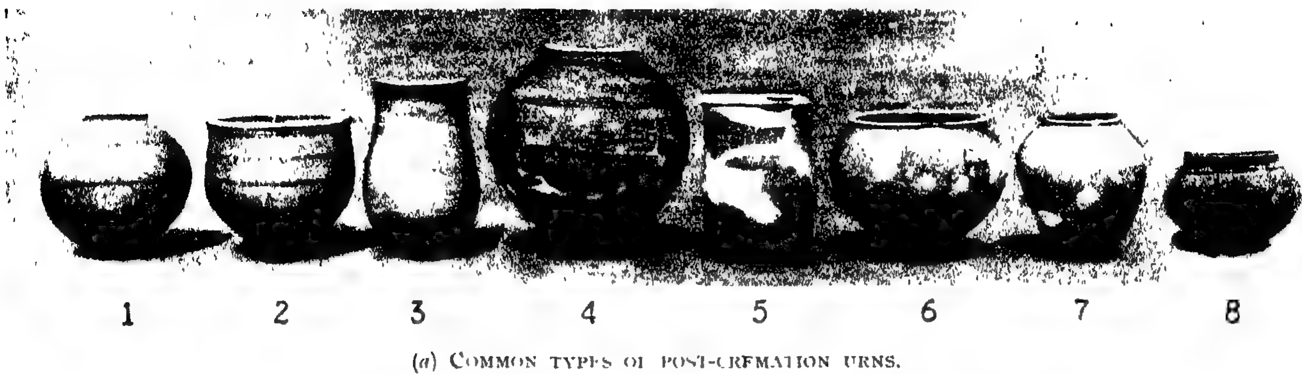
(*a*) COMMON TYPES OF HOUSEHOLD JARS FROM HARAPPA.



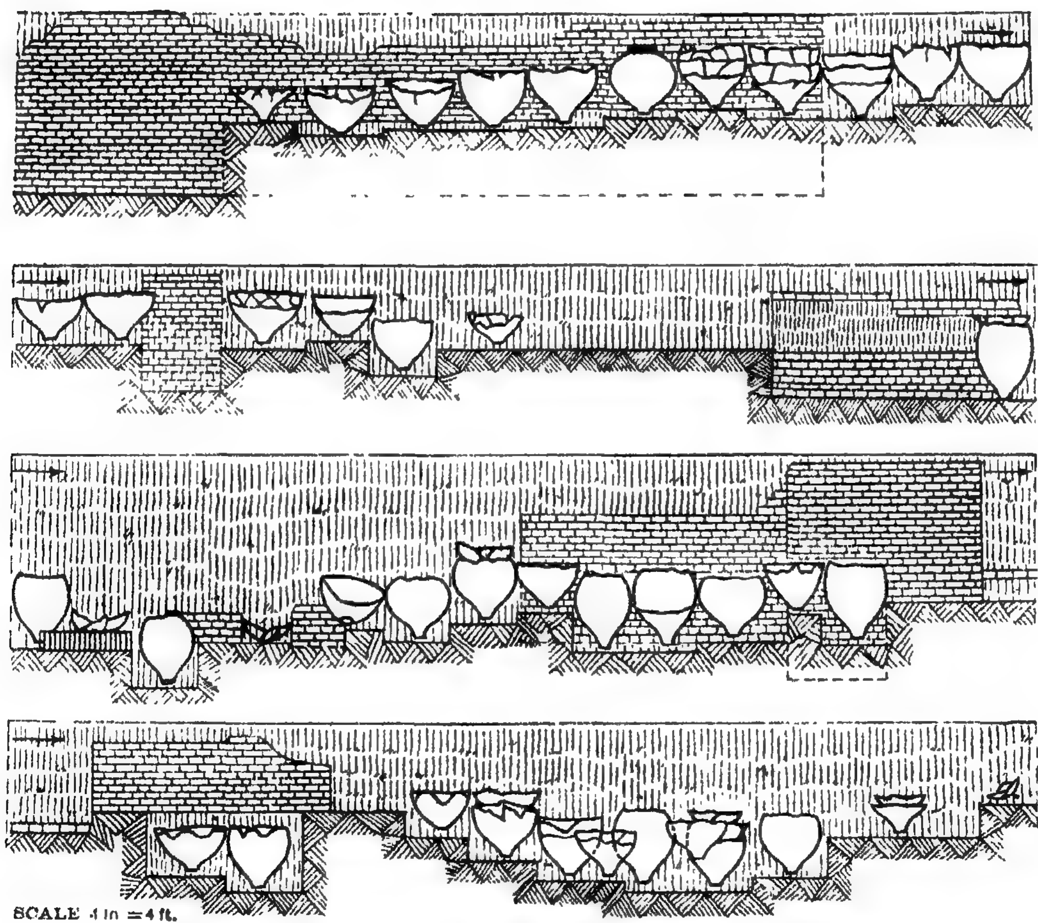
(*c*) POTTERY OBJECTS.

(*b*) MISCELLANEOUS OBJECTS FROM CHAK PURBANE SIYAL.

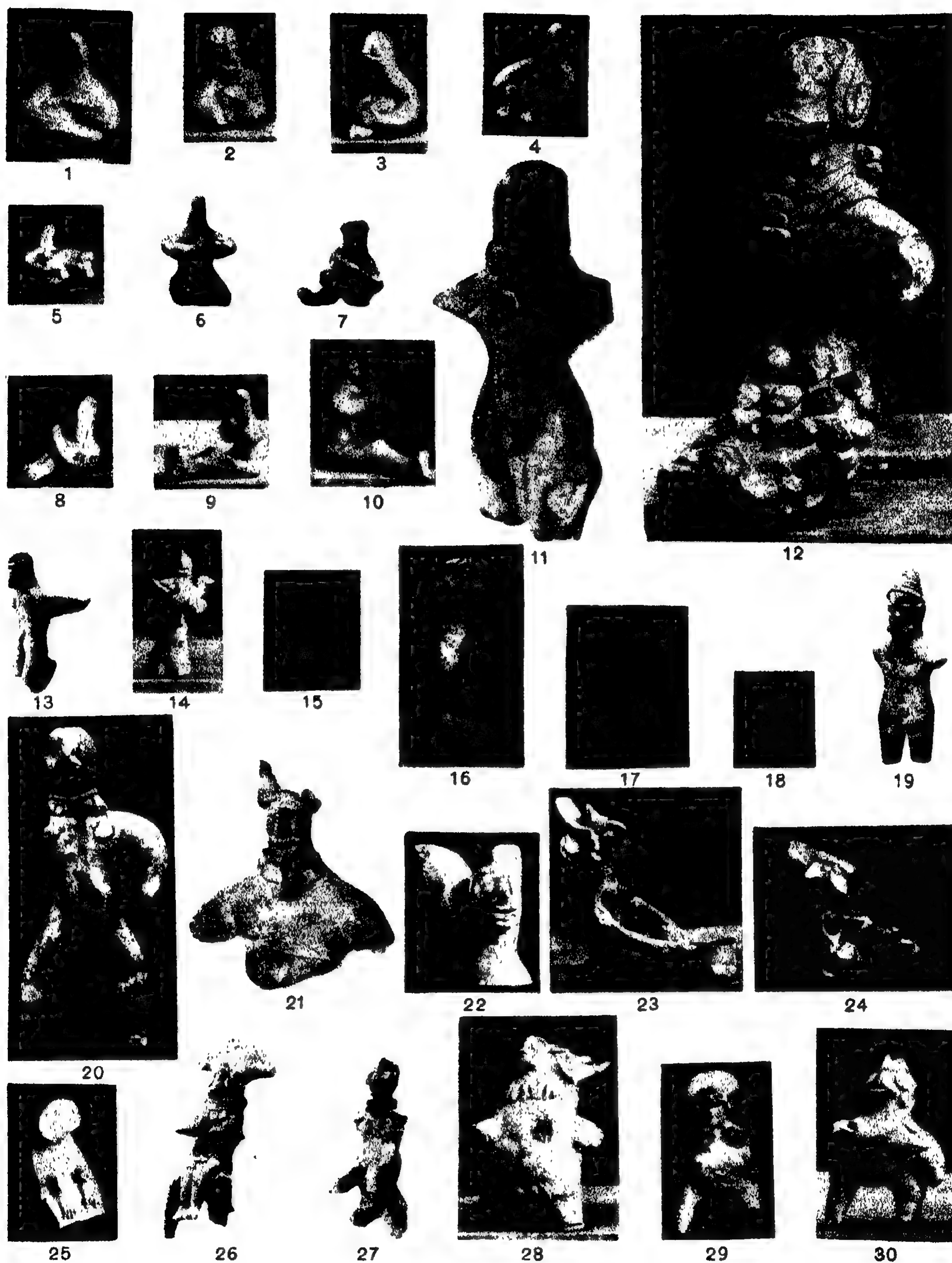
(*c*) POTTERY OBJECTS.



(*a*) COMMON TYPES OF POST-CREMATION URNS.



MOUND AB, TRENCH AT THE SOUTHERN EDGE.
ROW OF POST-CREMATION URNS, LOOKING SOUTH.



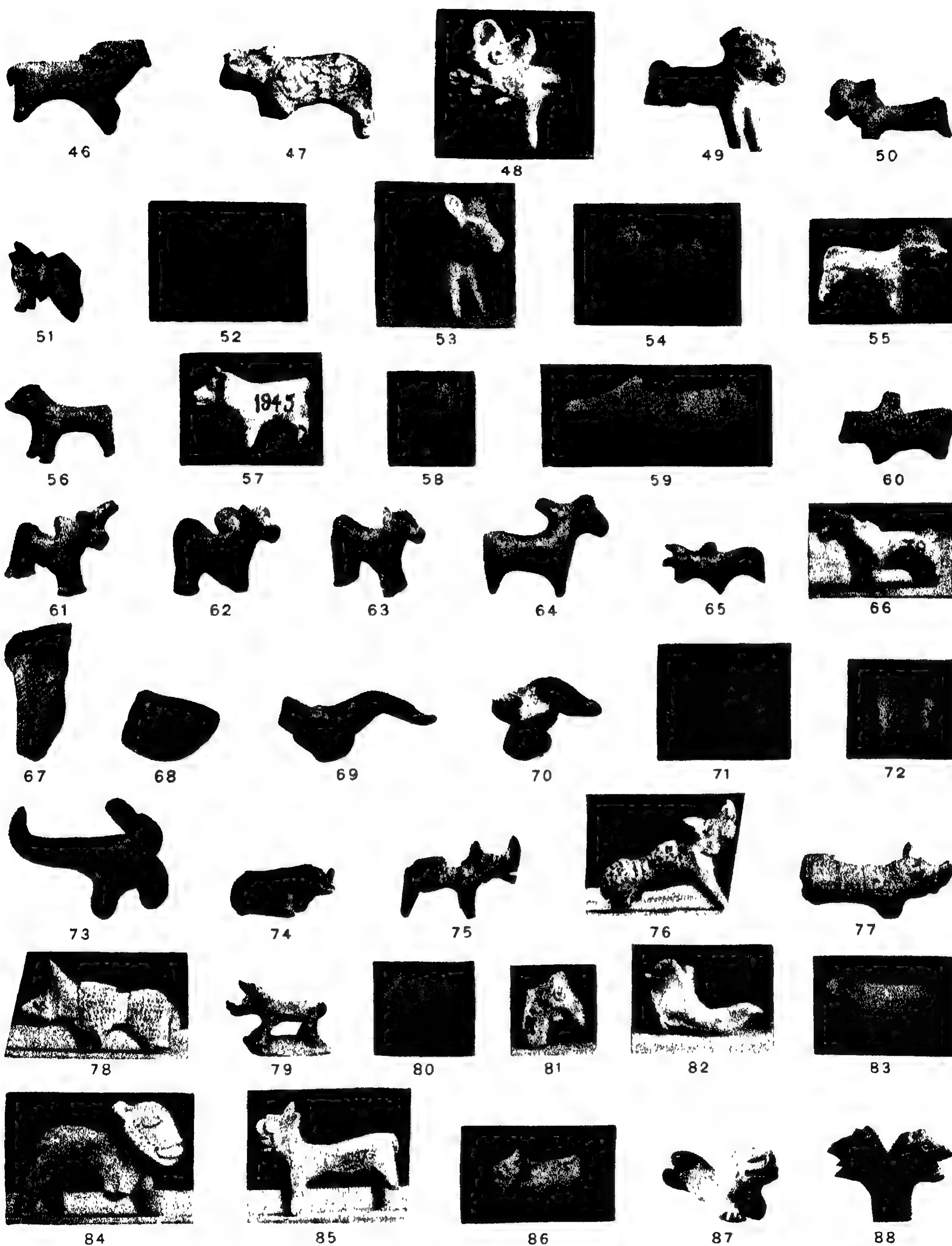
TERRACOTTA HUMAN FIGURINES.



TERRACOTTA HUMAN FIGURINES



Animal Figurines of Terracotta, Faience, Stone, etc.



ANIMAL FIGURINES OF TERRACOTTA, FAIENCE, STONE, ETC.



(a)



(b)



(c)



(d)

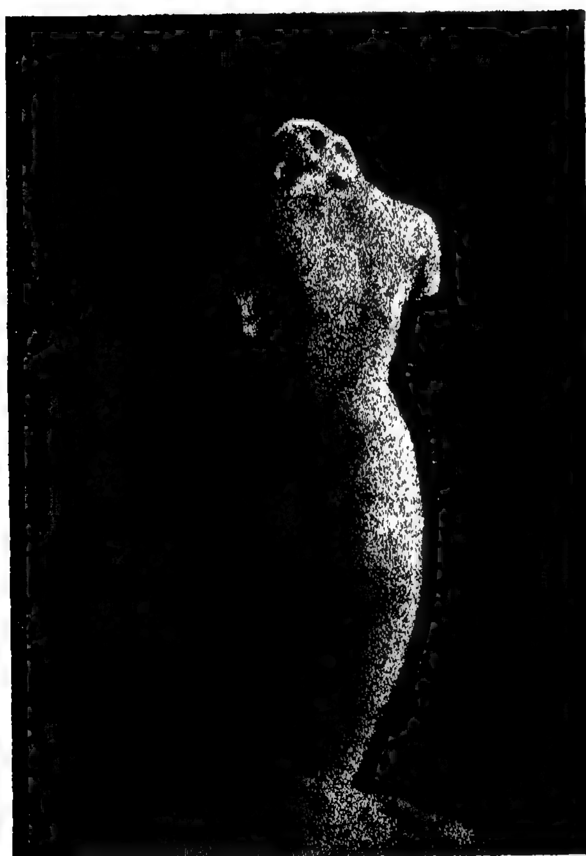
STATUETTE OF RED SANDSTONE No. 9042 FROM TRENCH IV.



(*a*)



(*b*)

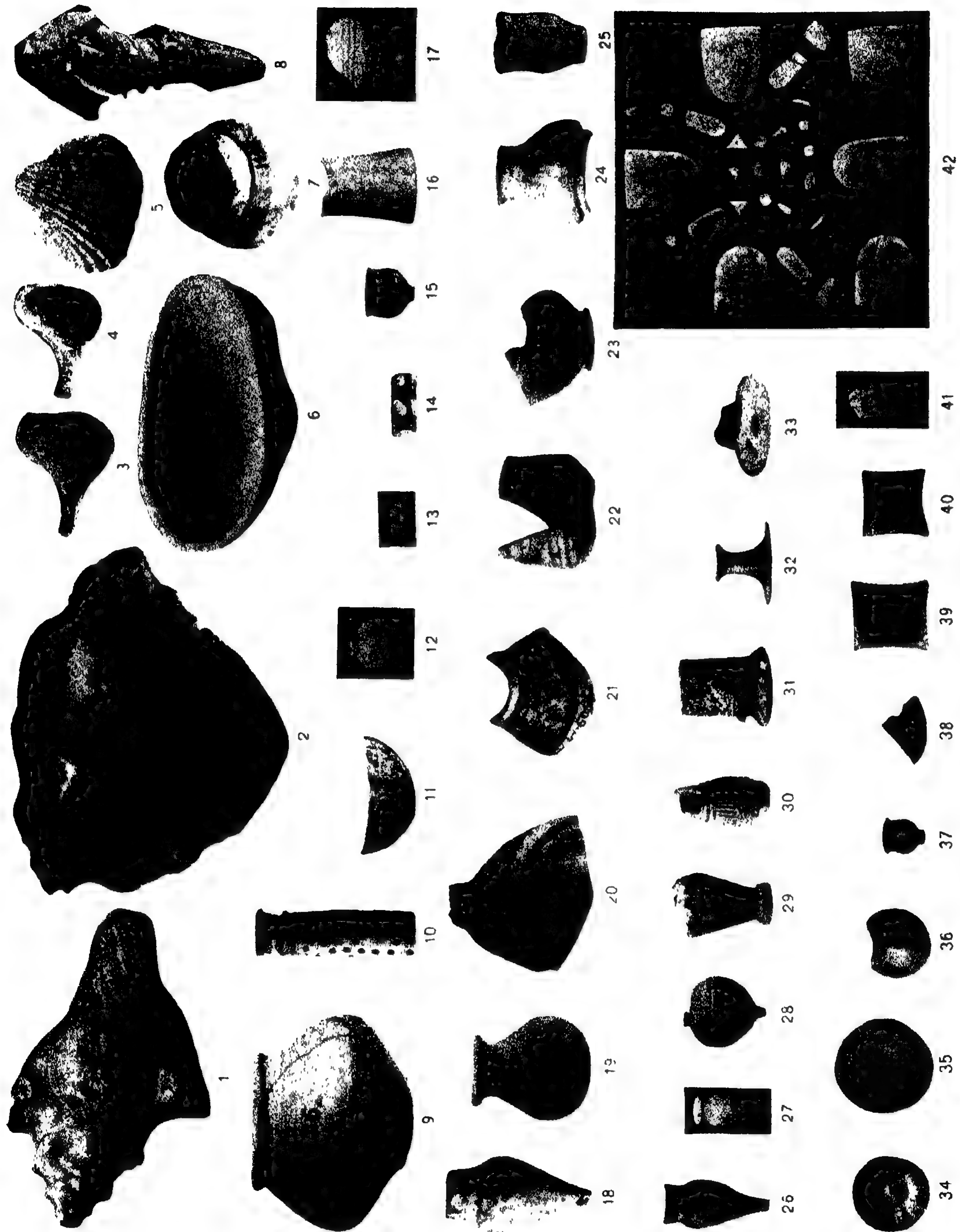


(*c*)

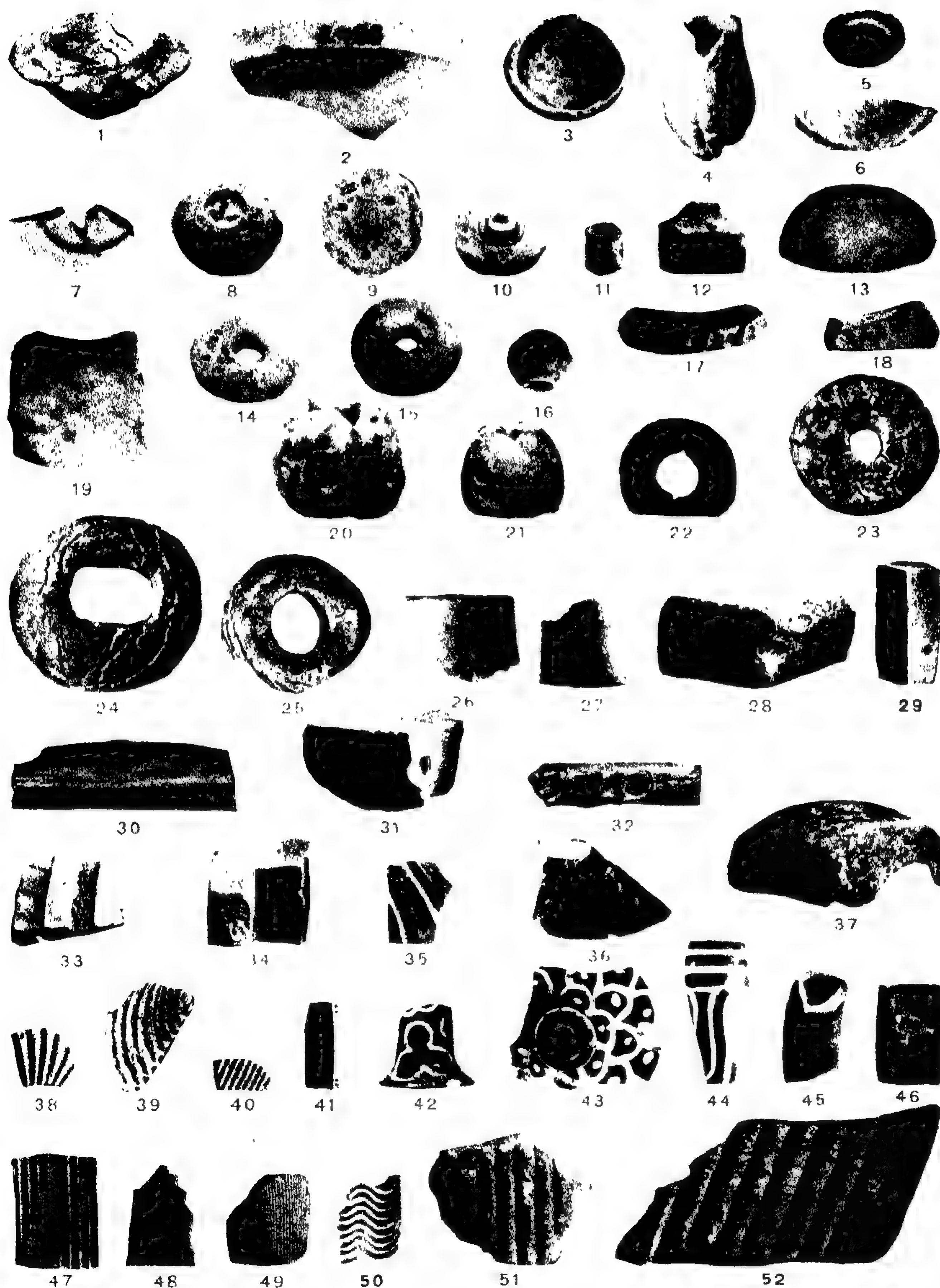


(*d*)

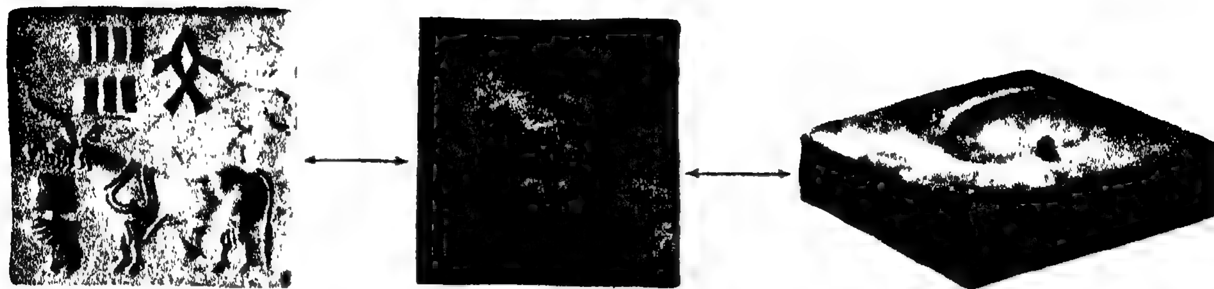
STATUETTE OF GREY STONE NO. Ab 959 FROM THE CENTRAL AISLE OF THE GREAT GRANARY.

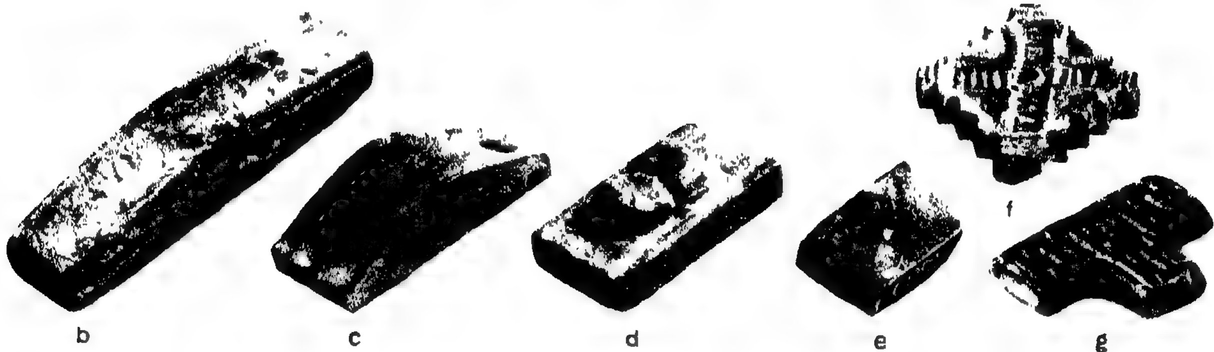


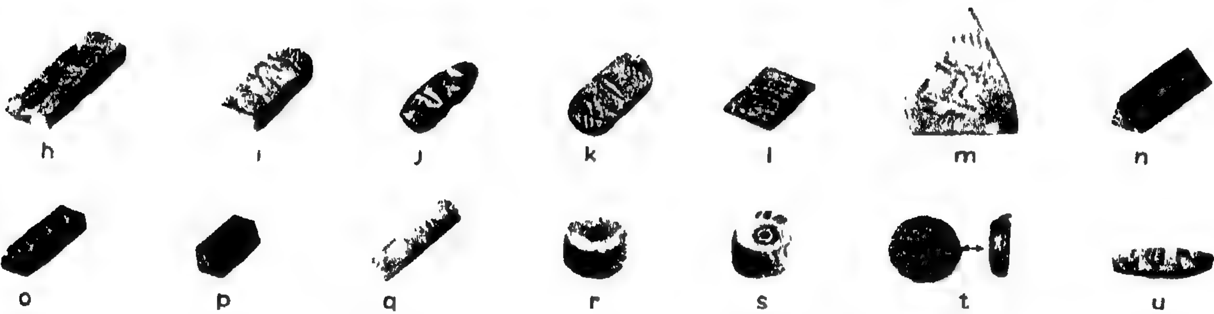
MISCELLANEOUS OBJECTS OF *sankh*, FAIENCE AND STONE.



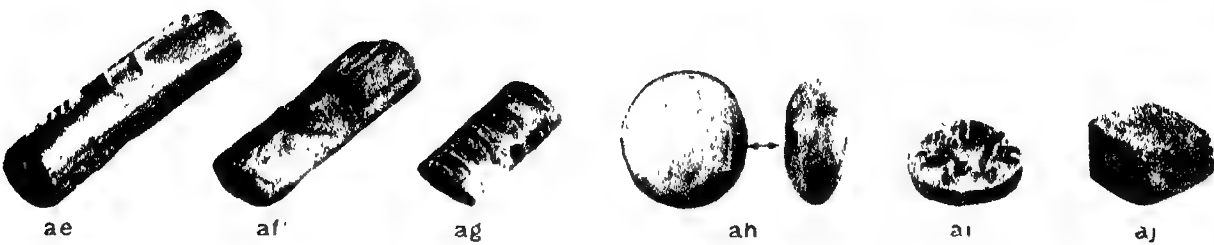
STONE VESSELS, MACE-HEADS AND OBJECTS OF TECHNICAL INTEREST IN STONE AND FAIENCE.


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b
c
d
e
g


h i j k l m n
o p q r s t u


v w x y z aa ab ac ad


ae af ag ah ai aj


ak al am an ao ap aq


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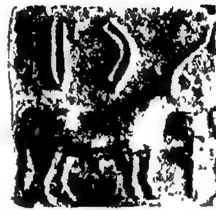

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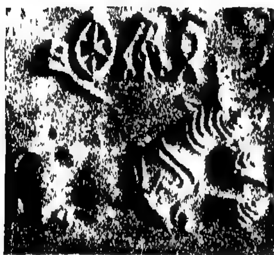

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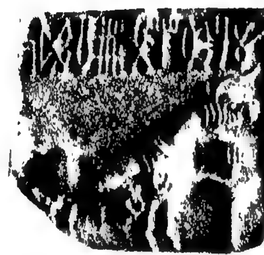

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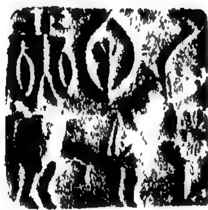

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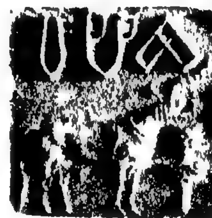

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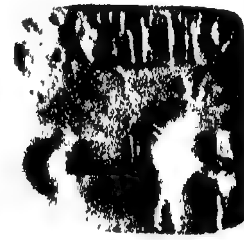

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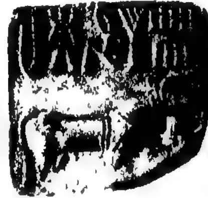

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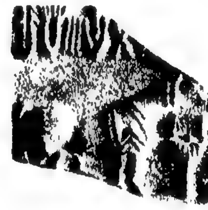

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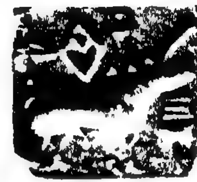

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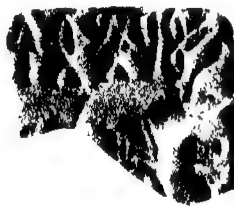

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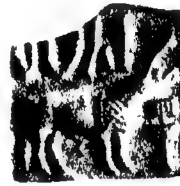

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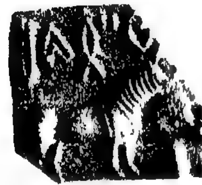

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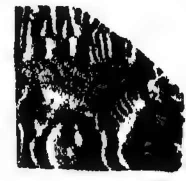

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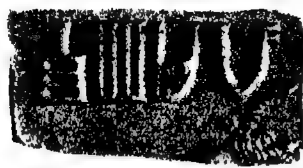

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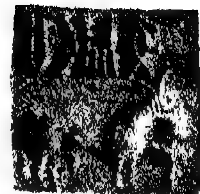

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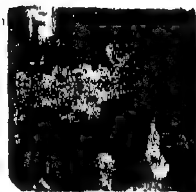

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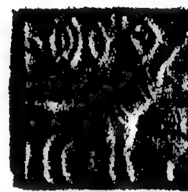

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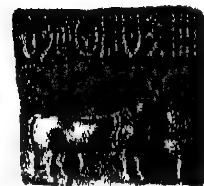

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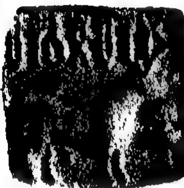

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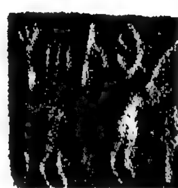

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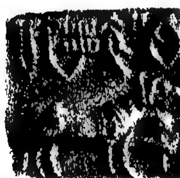

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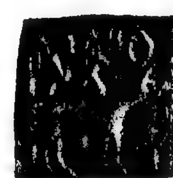

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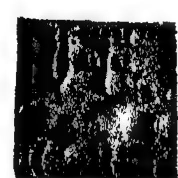

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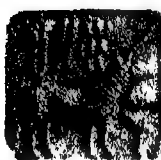

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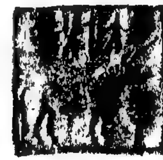

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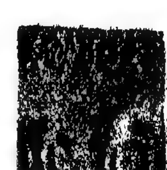

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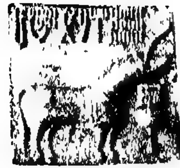

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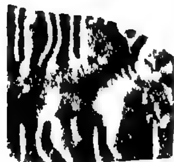

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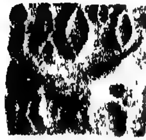

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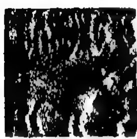

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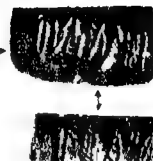

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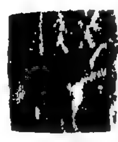

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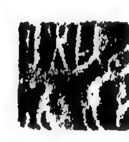

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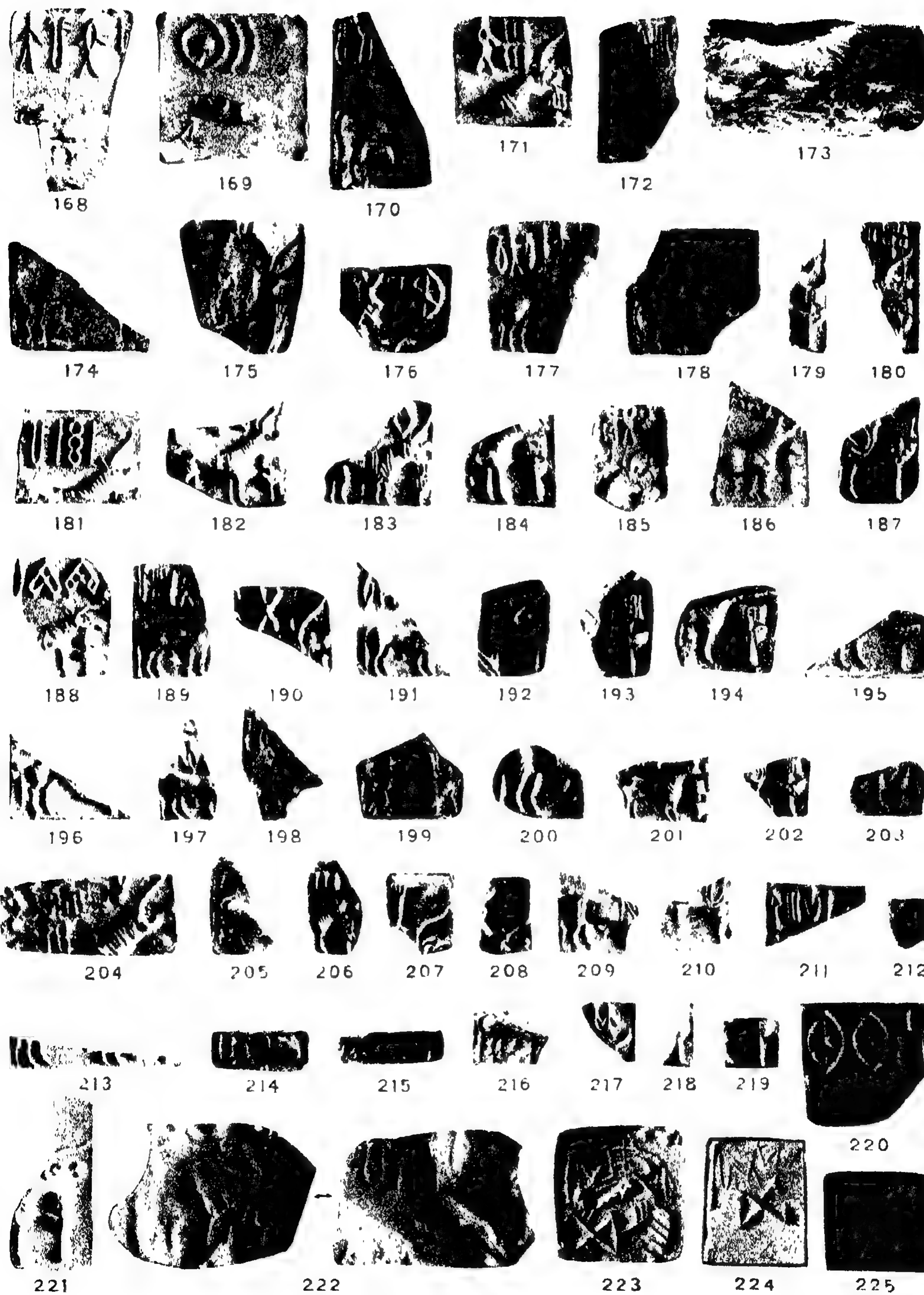

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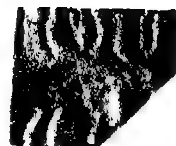

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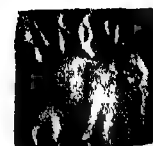

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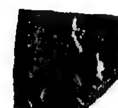

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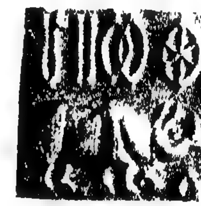

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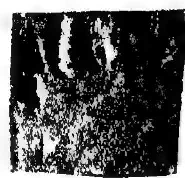

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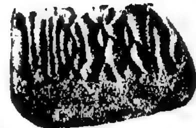


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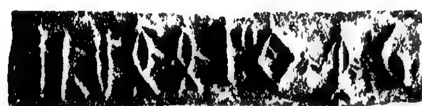
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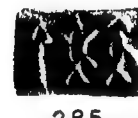
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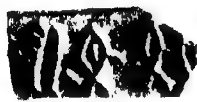
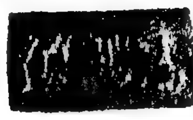
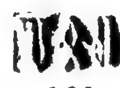
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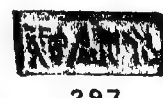
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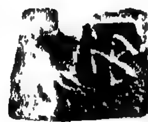
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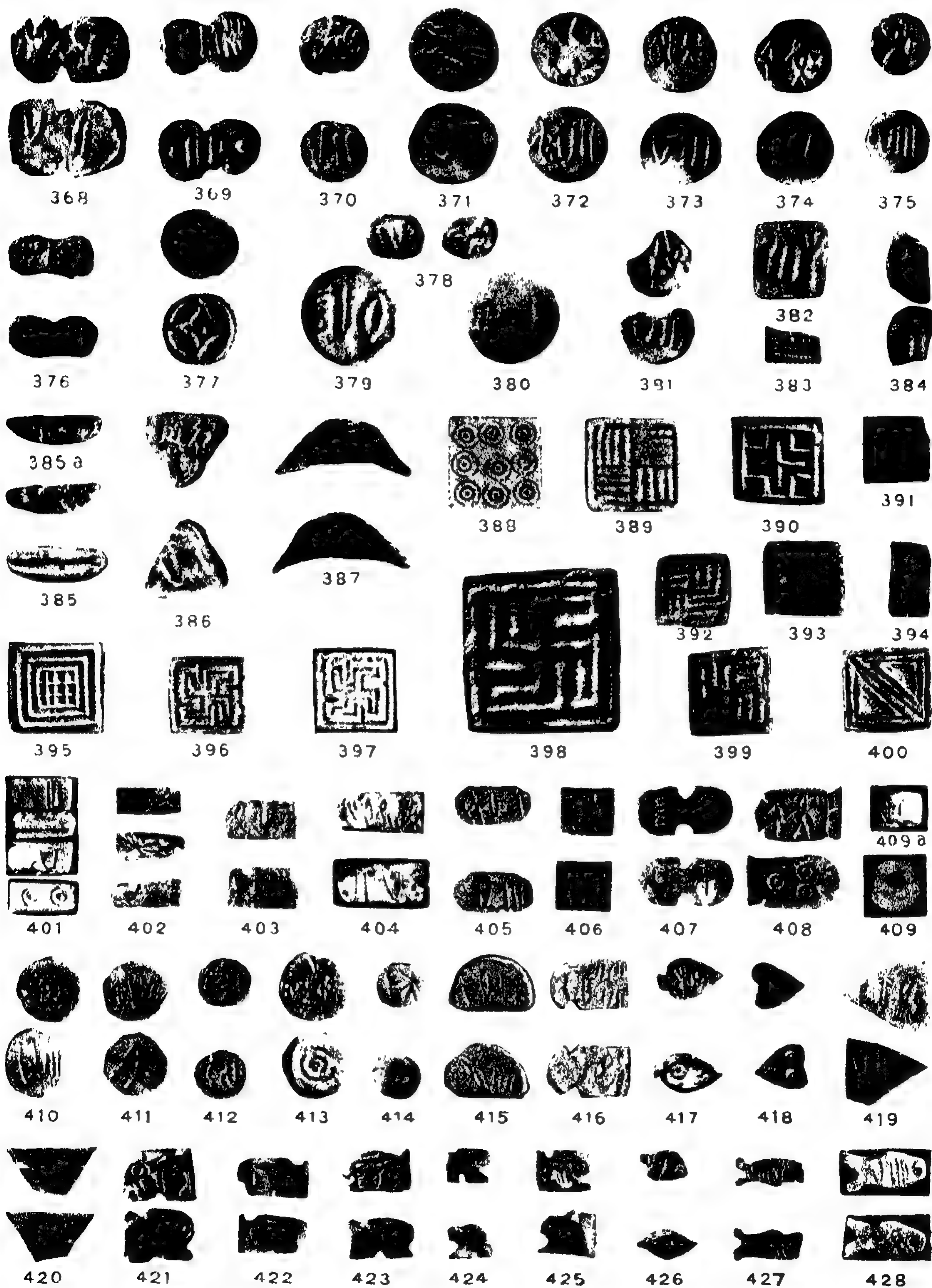
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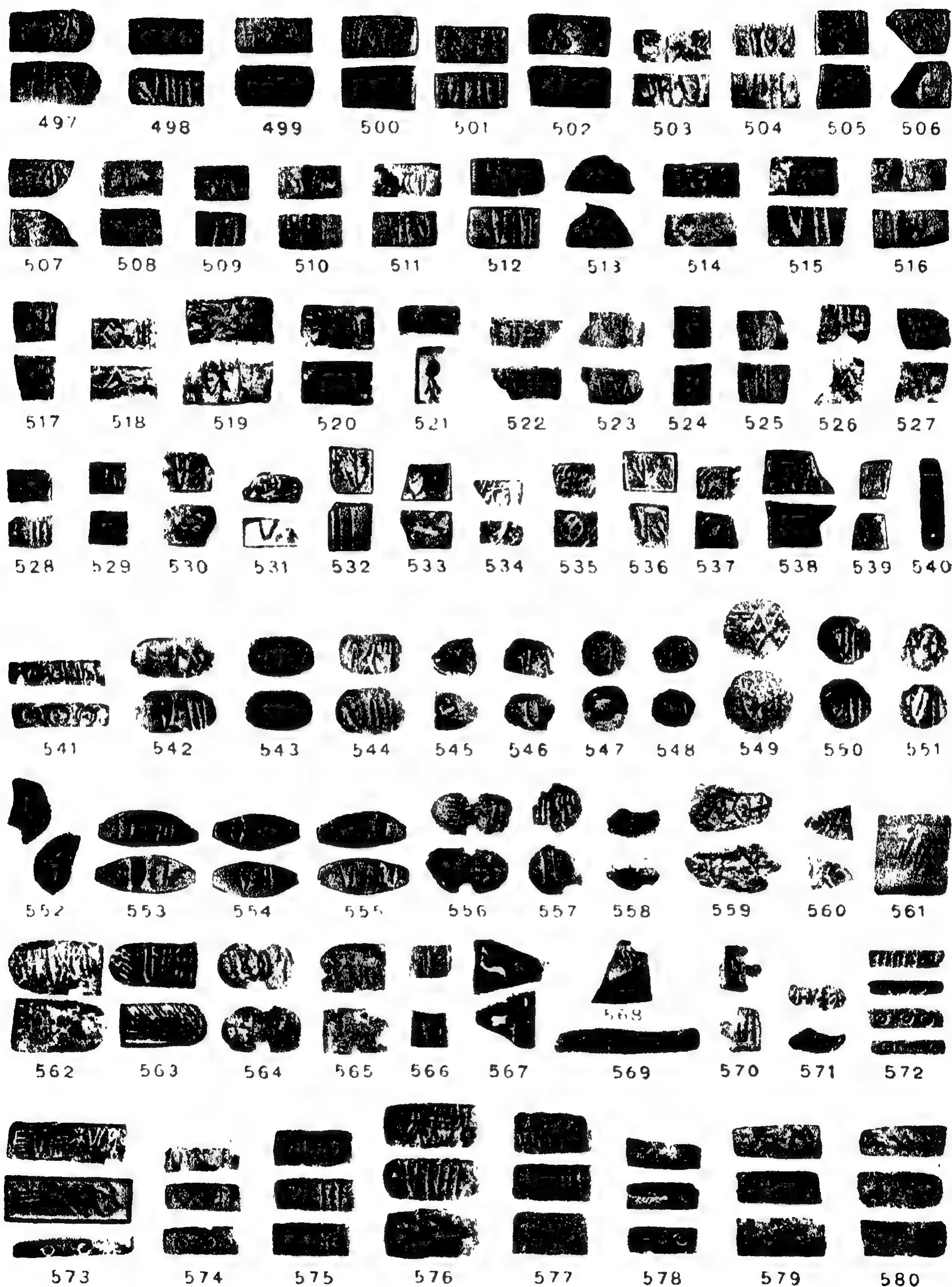
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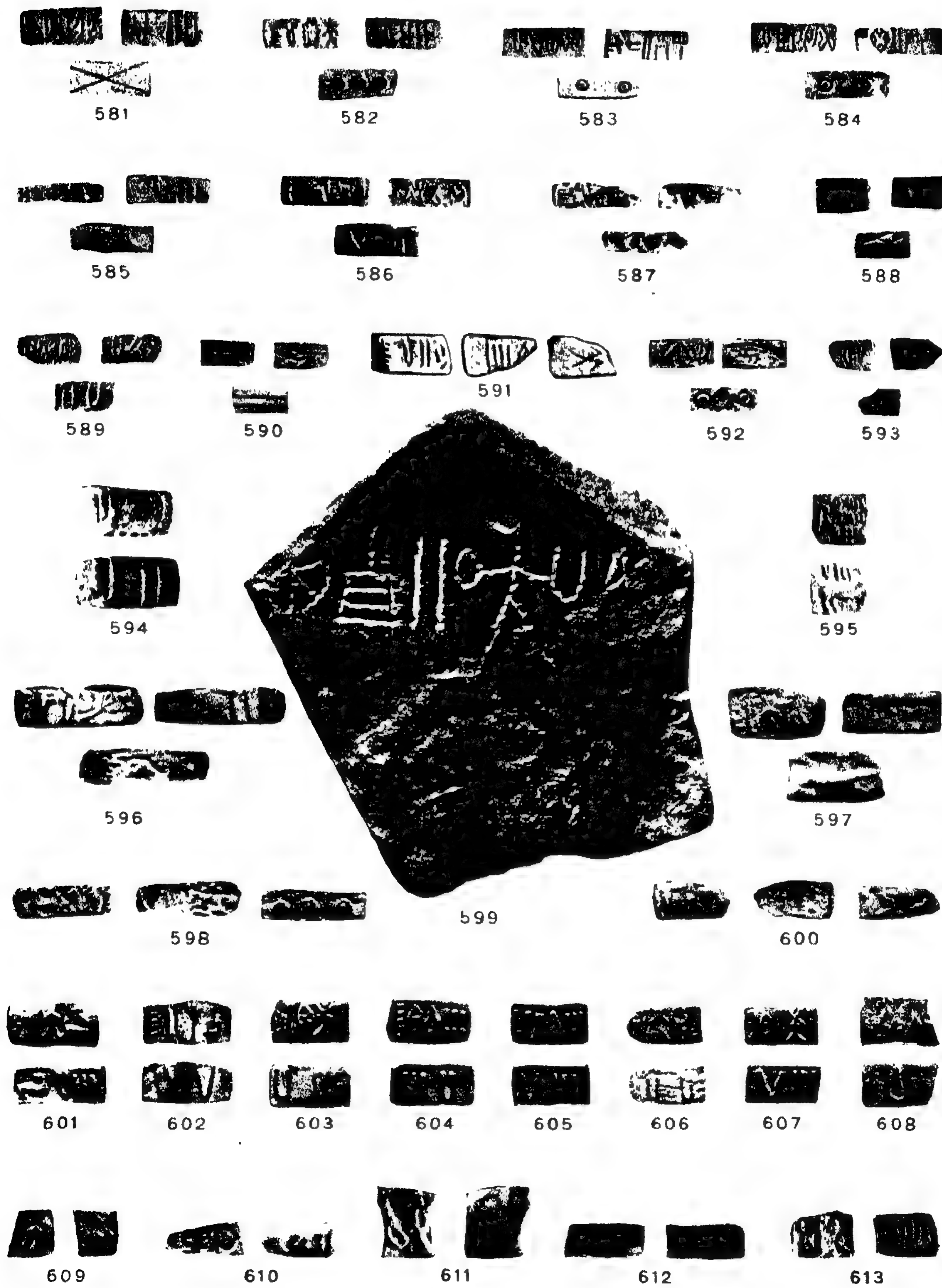

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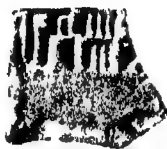


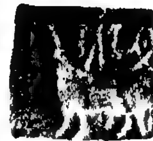

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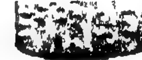

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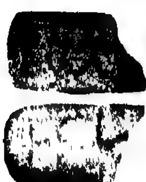
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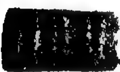
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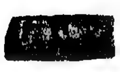
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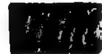
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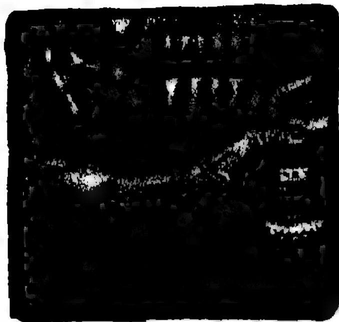



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SEALS, SEALINGS, INSCRIBED BALL AND POTTERY.

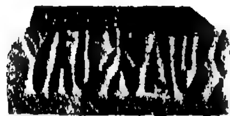

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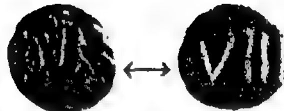

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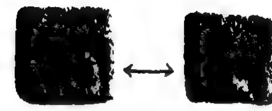

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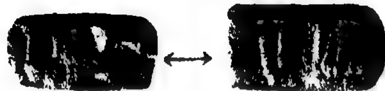

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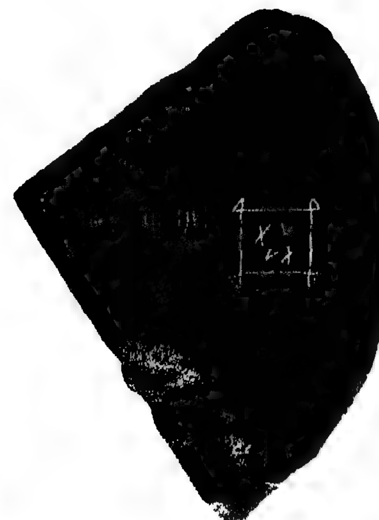

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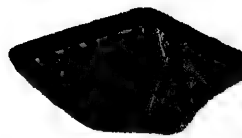

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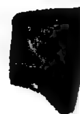

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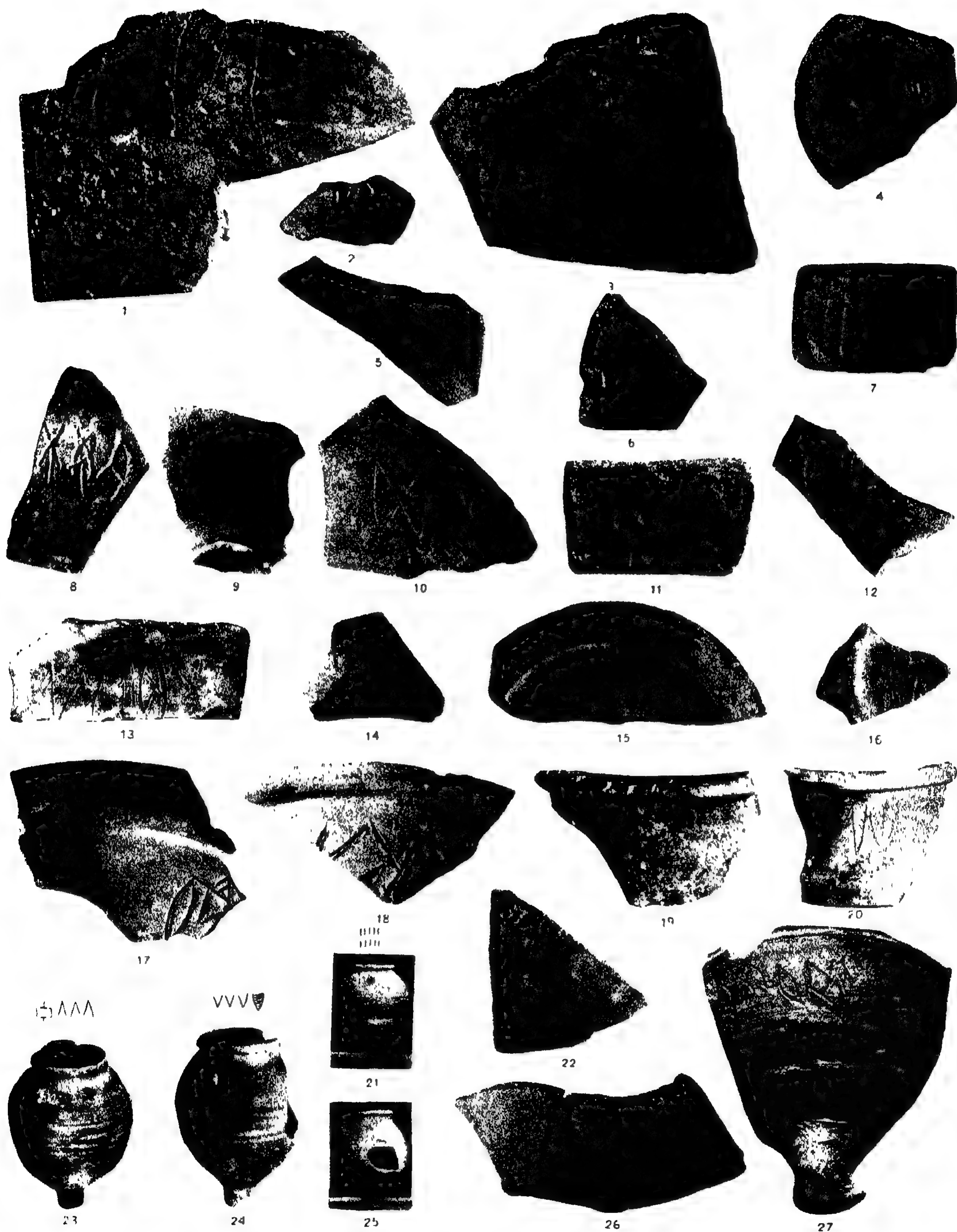

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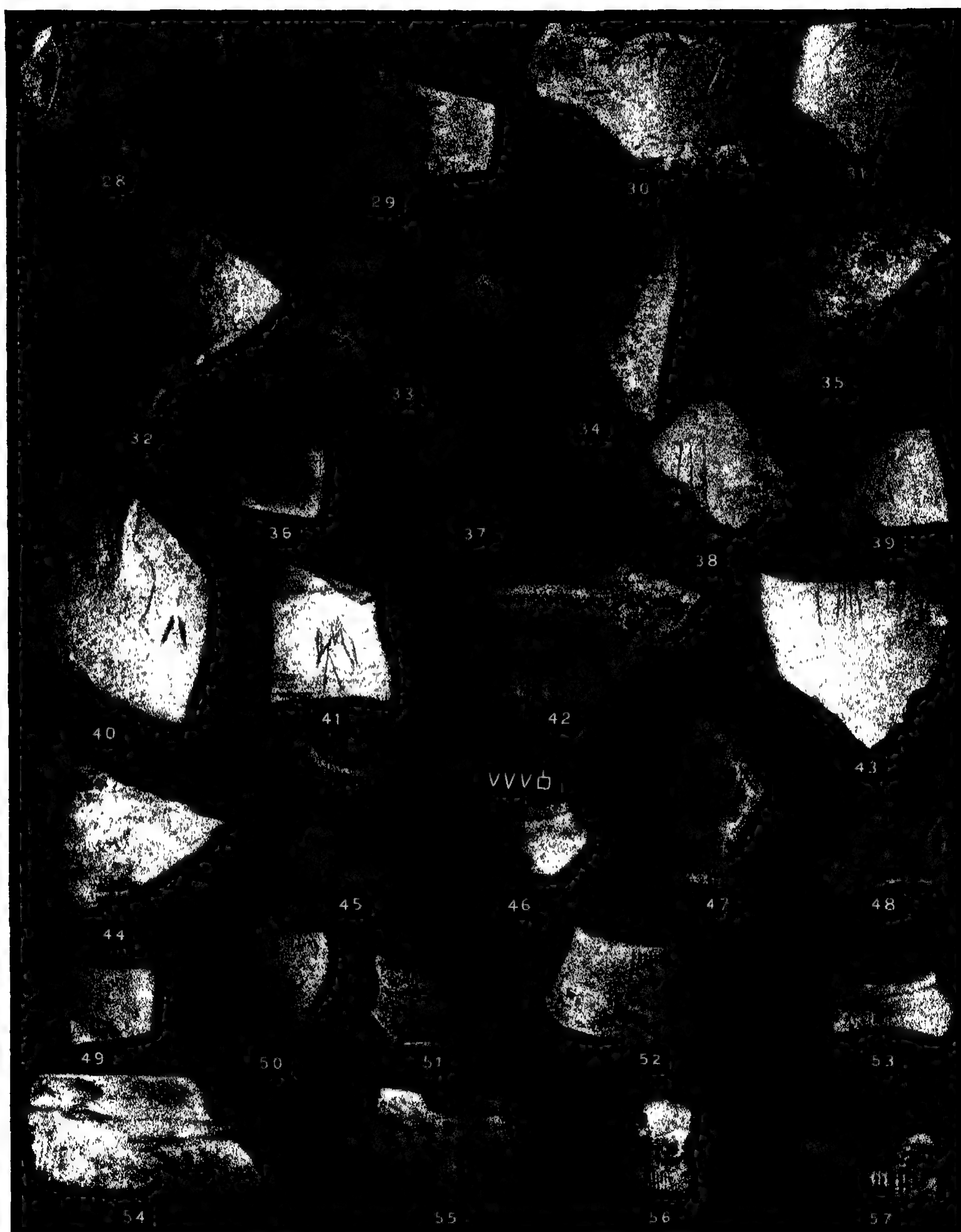

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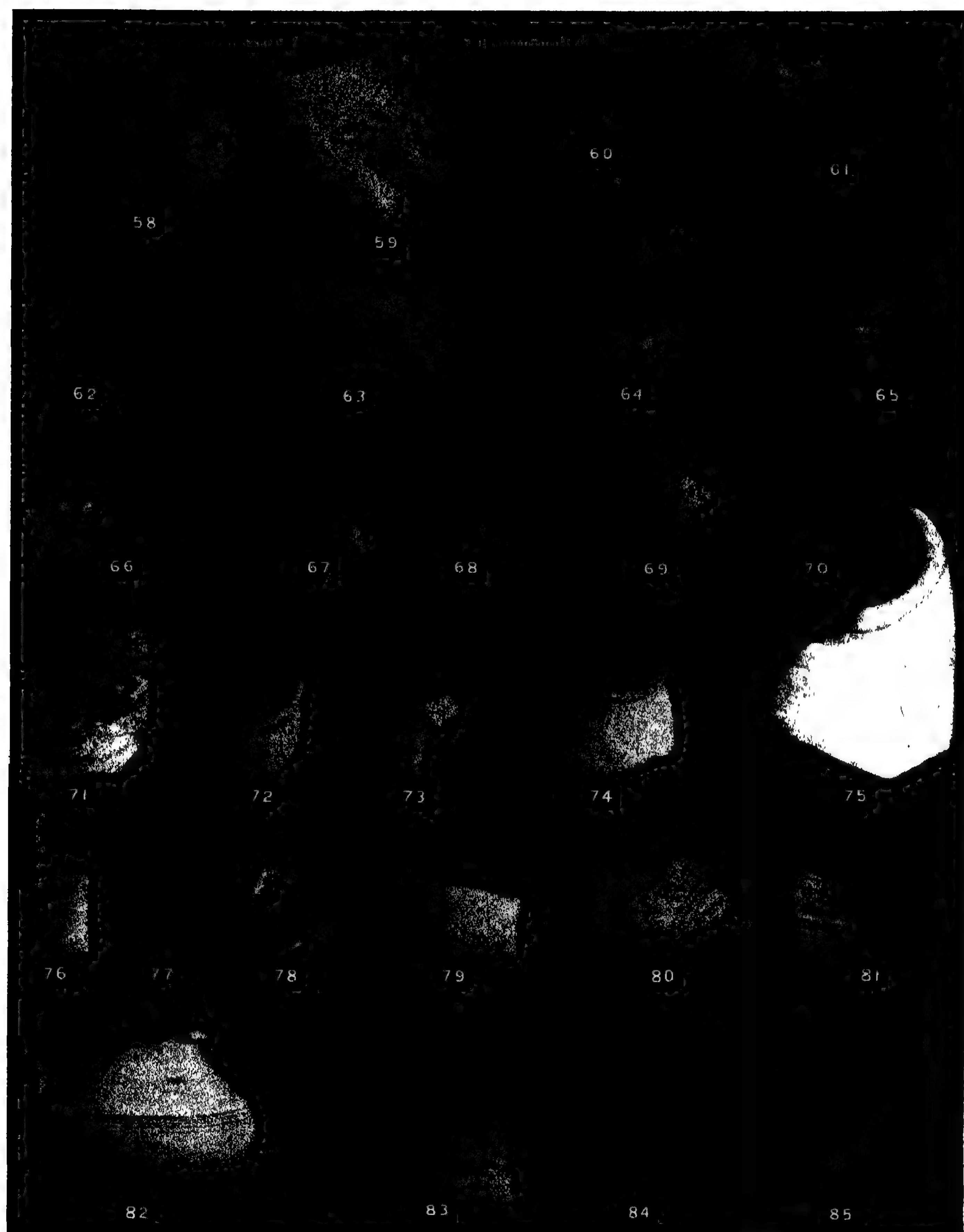

712



INSCRIBED POTTERY.



Inscribed pottery and three inscribed fragments of stone.



INSCRIBED POTTERY.

1

12215
12420
J-322
1265
11405
9080
11559
11304
11266(a)
11243
12150
H-637
2367
1092
2700
12750
11077
G-107
A(s)130
5389
2893
1872
10142

2

10965
10226
11852
10929
741
12132
Pl-44
J-581
Am97
B-234
5634
A(s)279
2482
4076
10625
11379
12066
201
11291
11798
12216
10142
4058
2540
11456
5254
J-361
J-329
3508
5534
A-233
B-951
4079
J-493
J-213
Pl-42
3170
J-455
Am553
2789
7354
J-256
11022
1200
2961
B-191

3

10061
12104

×

5

Pl-39

5a

J-46
12493

6

1172
12420
1379
12416
J-463
D-38
11233
A-263
2961
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11379
3716
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G-107
10997
Am553
12493
Am922
7354
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7155
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Pll-59
H-811
1500
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11795
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4015
J-481
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7006
5436
A-214
11849
11033
5975

7

Plll-7
11330
8718
G-217
10895
PlV-114
8650(a)

8

4703
12035
A(s)279
J-213
8350
12461

8a

12574

9

11136
12581
4179
4043
8650(a)
94
10740
3757
11705
5399
8650(b)

10

J-28

11

12548
J-403
J-30
11695
3611
12251
12721

12

10185(a)

12a

11331

13

A(s)16
12549
10102
2463
5152

14

B-Summit
A(s)62

15

115
11597
A-441
7591
12185

2700
J 630
4042
A-263
1056
11458
2281
PIV 114
2630
16a
12216
16b
11291
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PI 40
J-449
1235
17a
12104
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11942
A(0)9
1354
PII 21
7411
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1172
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J-28
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4795
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A(0)9
J-494
7663
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J 630
1697
PI-2
23
3611
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PI 42
26
7113
11458
2867
A(o)102
2961
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5084
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31
12415(a)
PIV-114
10102
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37b
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A(o)551
38
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128: B-951, 10740, 5383, J-361

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135.: 12066

136: 5498, 4042, PIV-114

× 137. ×: 12178

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141 ×: PI-41

143. ×: PIV-99

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154b × — G-290

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159b — J-402

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× 162 — 7786

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164 — 2630, 1545, A-336

× 165a — H-637, H-80

× 167a — 7098

168 × — 1240

170 — 868, 1244, G 175, 1646

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171 — 1244, 5810, B-summit

× 174a × — 8650(a)

177 × — Pl-40

180 — 1219, B-191

180a — A(?)130

180b — 425

181 — 10011

181a — 11721

181b — 12576

181c — 4076

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× 189 × — 1056

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214b — 2868, 2785

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	1200
	5183
	5643
	10625
	2789
223. × 225.	867
	J-640
× 227	11331
	11233
	10740
	D-38
	A 263
	8718
	J-467
	11160
	12574
	11379
	11942
	10695
	2789
	10137
228	J644
	12750
	12752
	J-274
	PIII-48
	11332
	12721
	1591
	G-107
	3716
	G-217
	10997
	A(a)922
	PIV-114
	12493
	7354

Sign	Seal
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× 231	5254
232	12575
	2728
	12035
	8650(b)
	8650(a)
	12131
	7008
	11332
	8053
× 233.	4965
234	6175
	1055
× 236	A 338
× 237.	868
238	J-450
	11626
	11136
	4552
	12319
	J-449
	8650(a)
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	12377
	5254
	10010
	10928(a)
	11452
	11518
	11715
	10185(c)
	12327
	12442(a)
	12581
	5498
	7483

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261a 1579
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10059
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269b 11330
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339	11027, PII-1, 9015, 4965, 2390, 5634, 11449, 10835(a), 5551, 10625, 10997, 8080, 5498
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× 359	A(b)130
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417. 1166

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419. 3644, 11333, 10212

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431. 2891

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436. 12752

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+ 441. 5975, 11064, 10162, 10614(a), 1055, H-611, 12748, 12119, 12164, 7266, 11168, 2540, 649, J-73, 4179, 11850, H-441(a), 11852, J-481, 4015, A-214, 4042

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444. J-466

445. 10960

446. 10960

447. 4531

448. 12415(a)

449. B-234

450. 2187

Sign Manual Ends.

INSCRIPTIONS COMMON TO HARAPPA AND MOHENJO-DARO

Harappa Photo No. of Seal.	Inscription.	M. I. C Photo No. of Seal.
166		287
211		168
629		366
18		5
374	*	261
286		252
246		169

* This is a Seal Impression

\+ The following signs also occur at Mohenjo-daro but are not shown separately in M. I. C.

Harappa Sign No.	Sign	M. I. C Photo No. of Seal.
40a		394
295a		550
383a		28
438		H150 (Pl. CXIX, under Sign No. 2)
439		6
440		451
441		220

Signs found only at Mohenjo-daro.

Sign.	Mohenjo-daro Seal No.
	539
	325

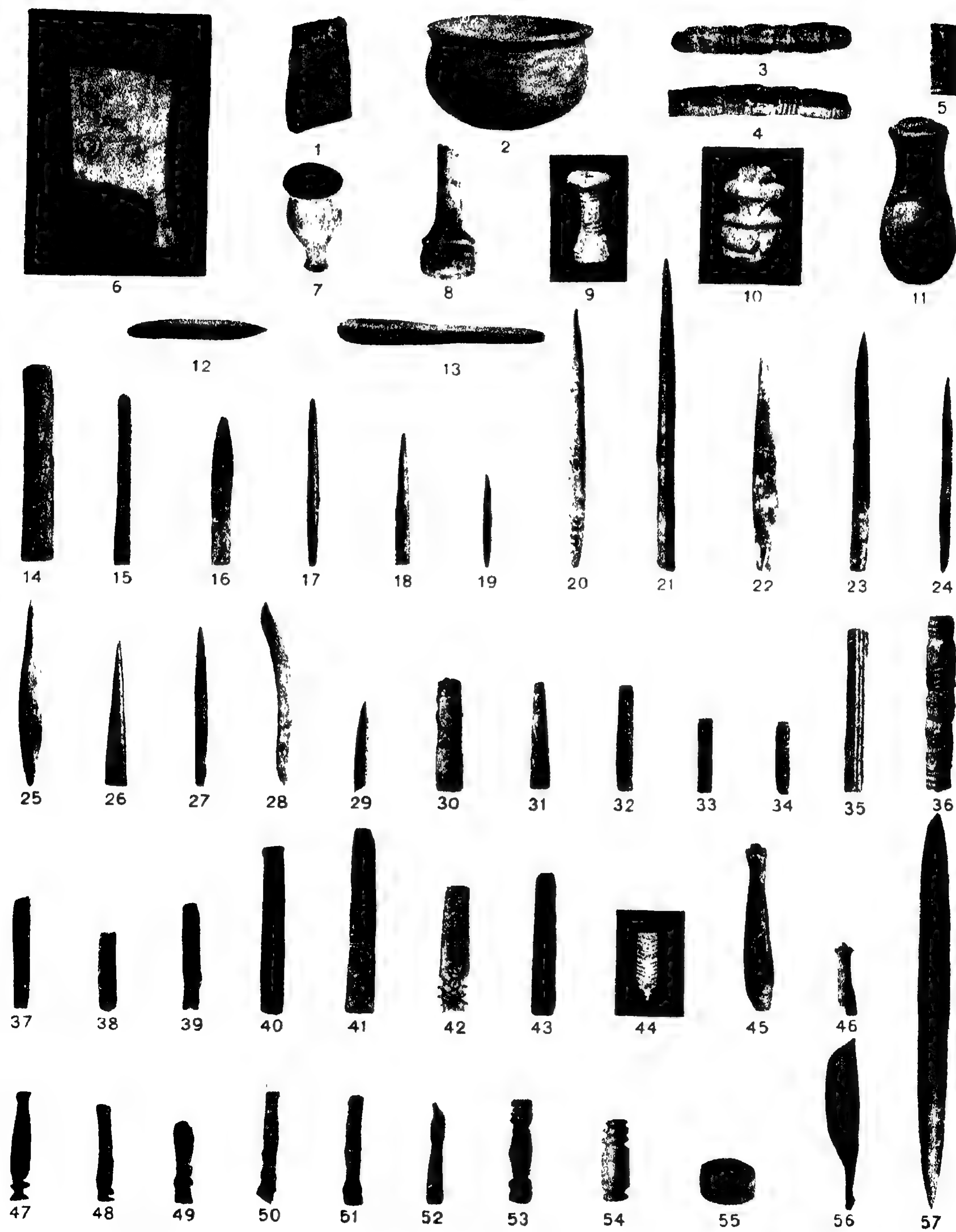
PLATE CXVII.



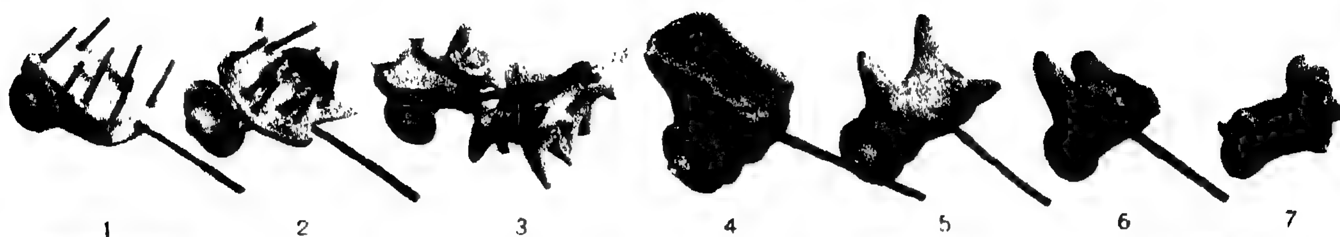
MISCELLANEOUS CULT AND HOUSEHOLD OBJECTS.

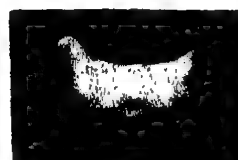


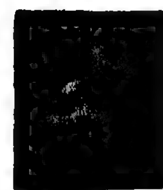
STONE AND CHERT WEIGHTS, POLISHERS, KNIVES, CORES AND AN ARROWHEAD.

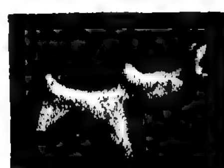


Bone and ivory objects.



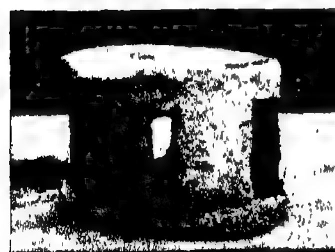









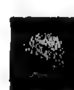
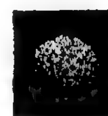
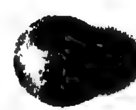










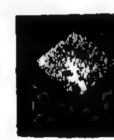













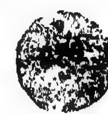






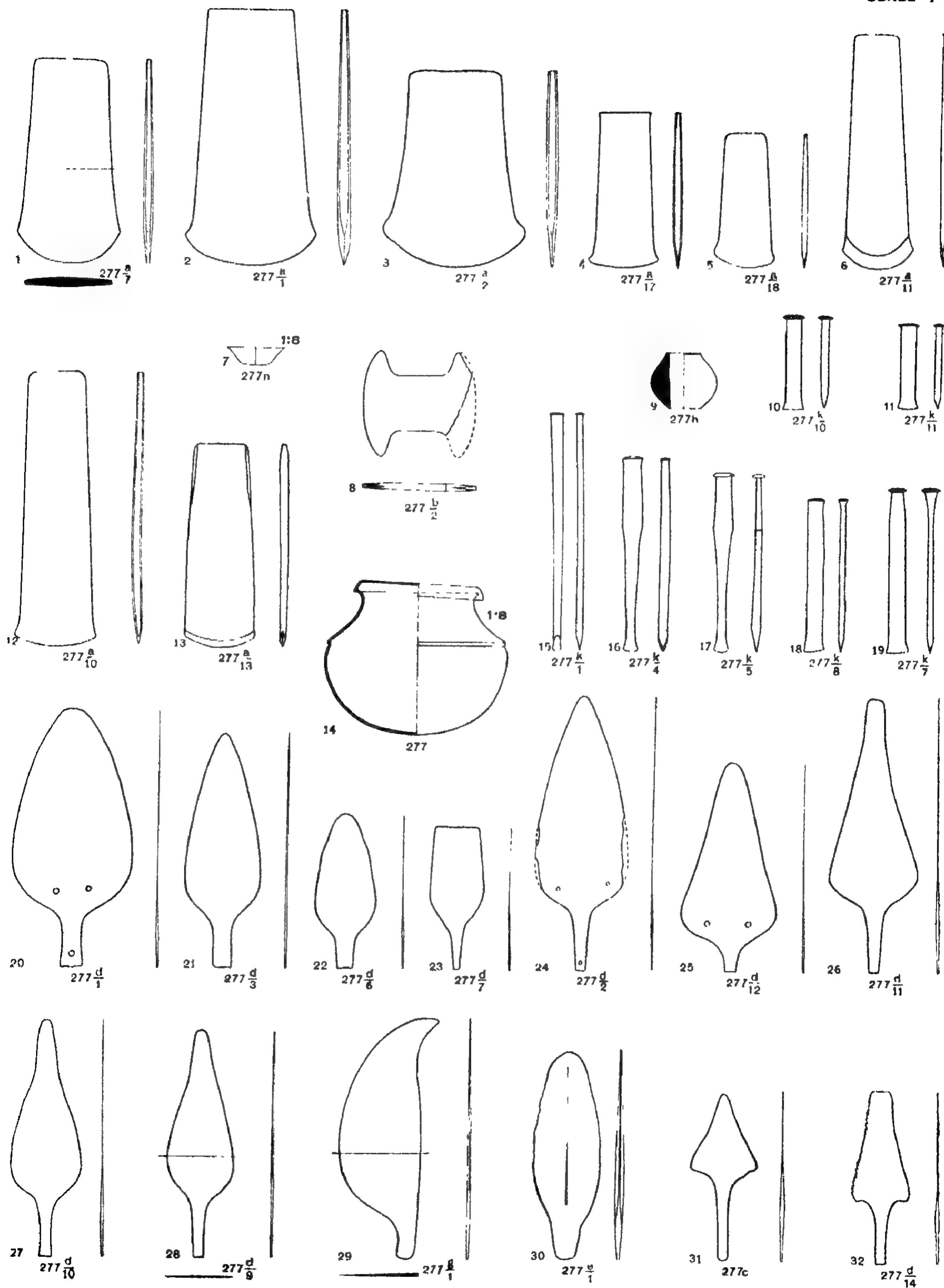




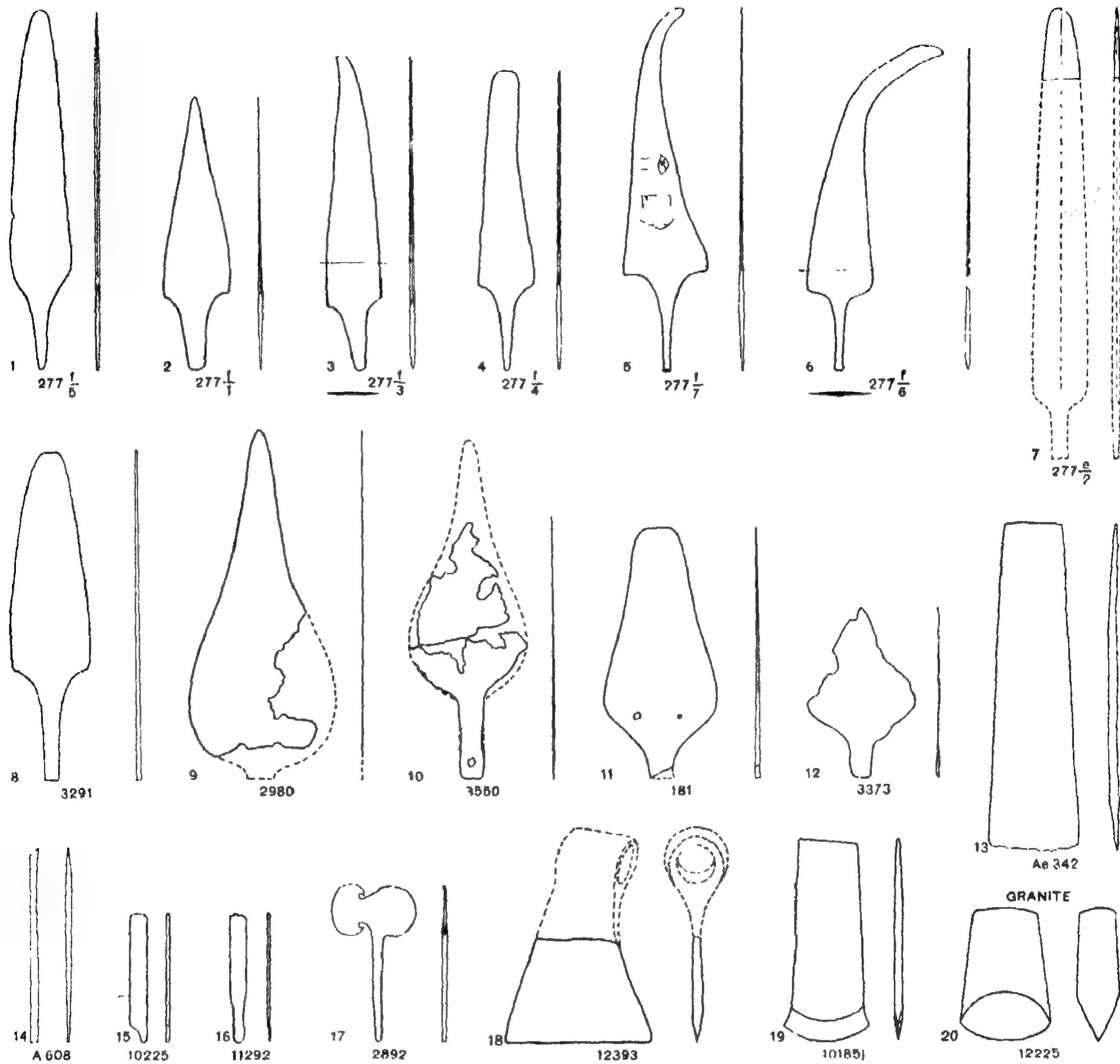


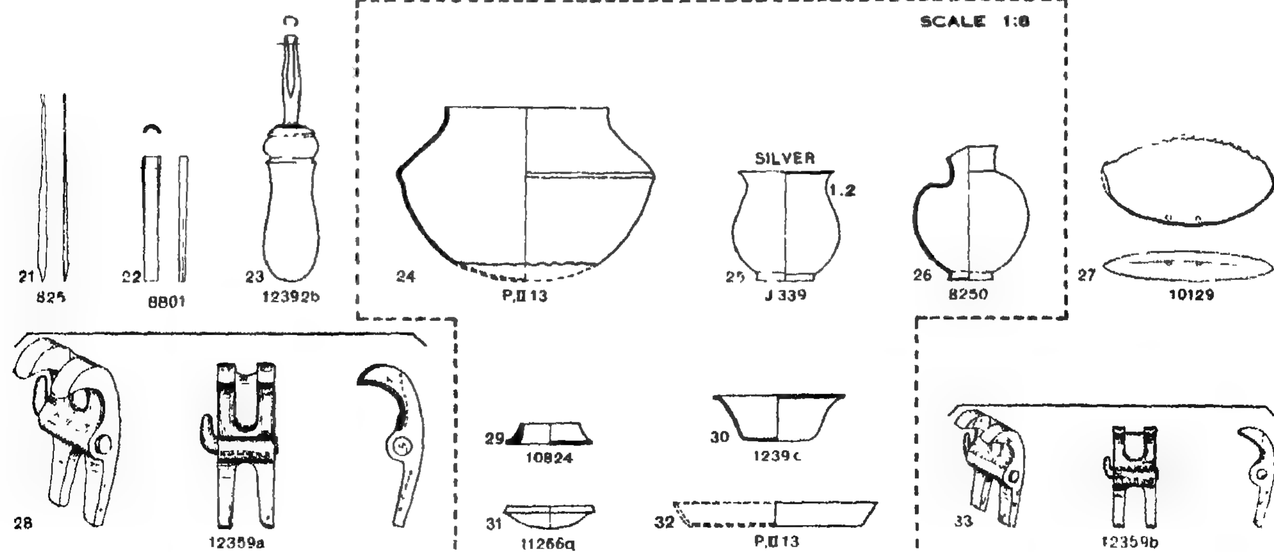

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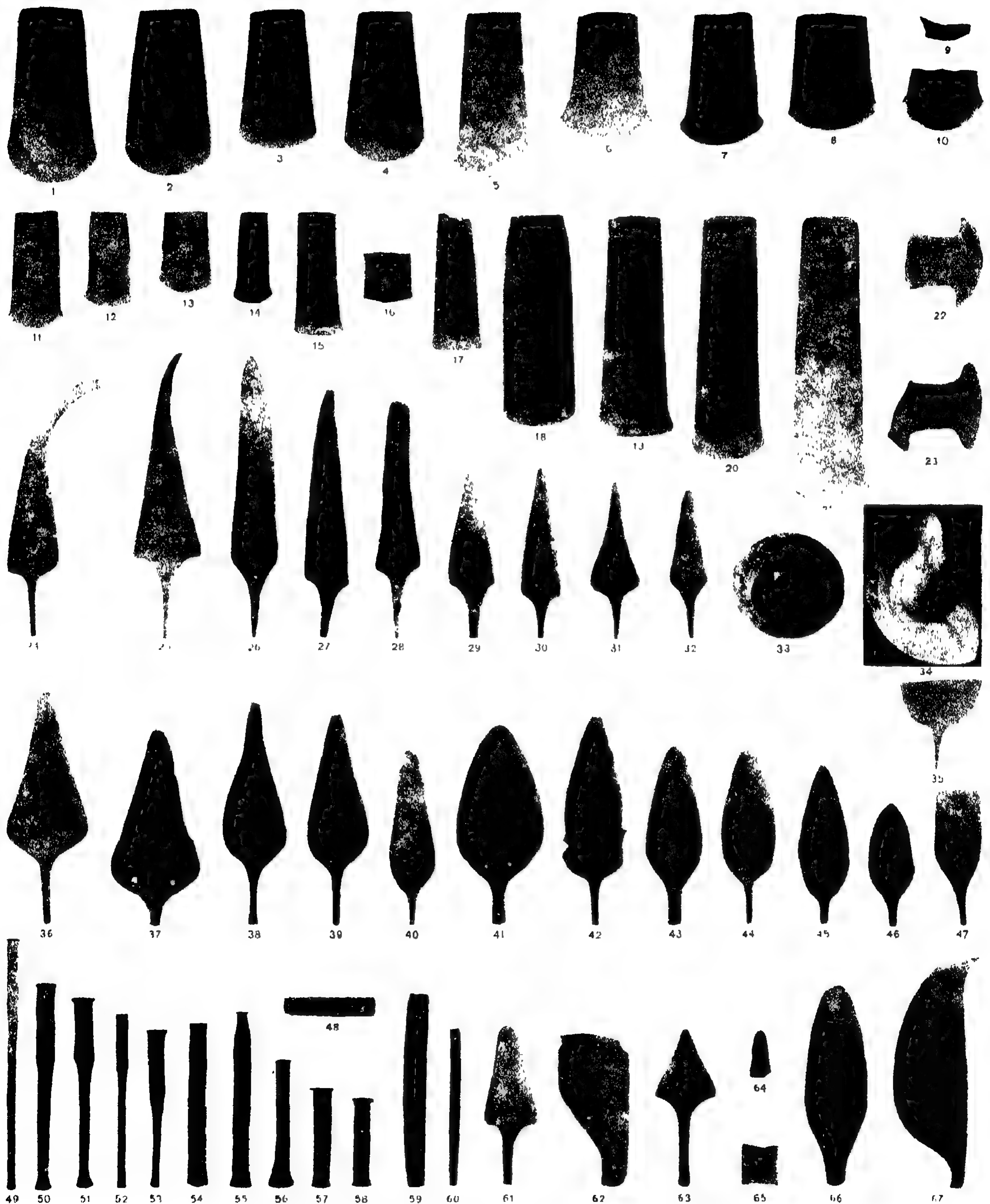
PLAYTHINGS AND GAMESMEN.


COPPER JAR No. 277 & ITS CONTENTS
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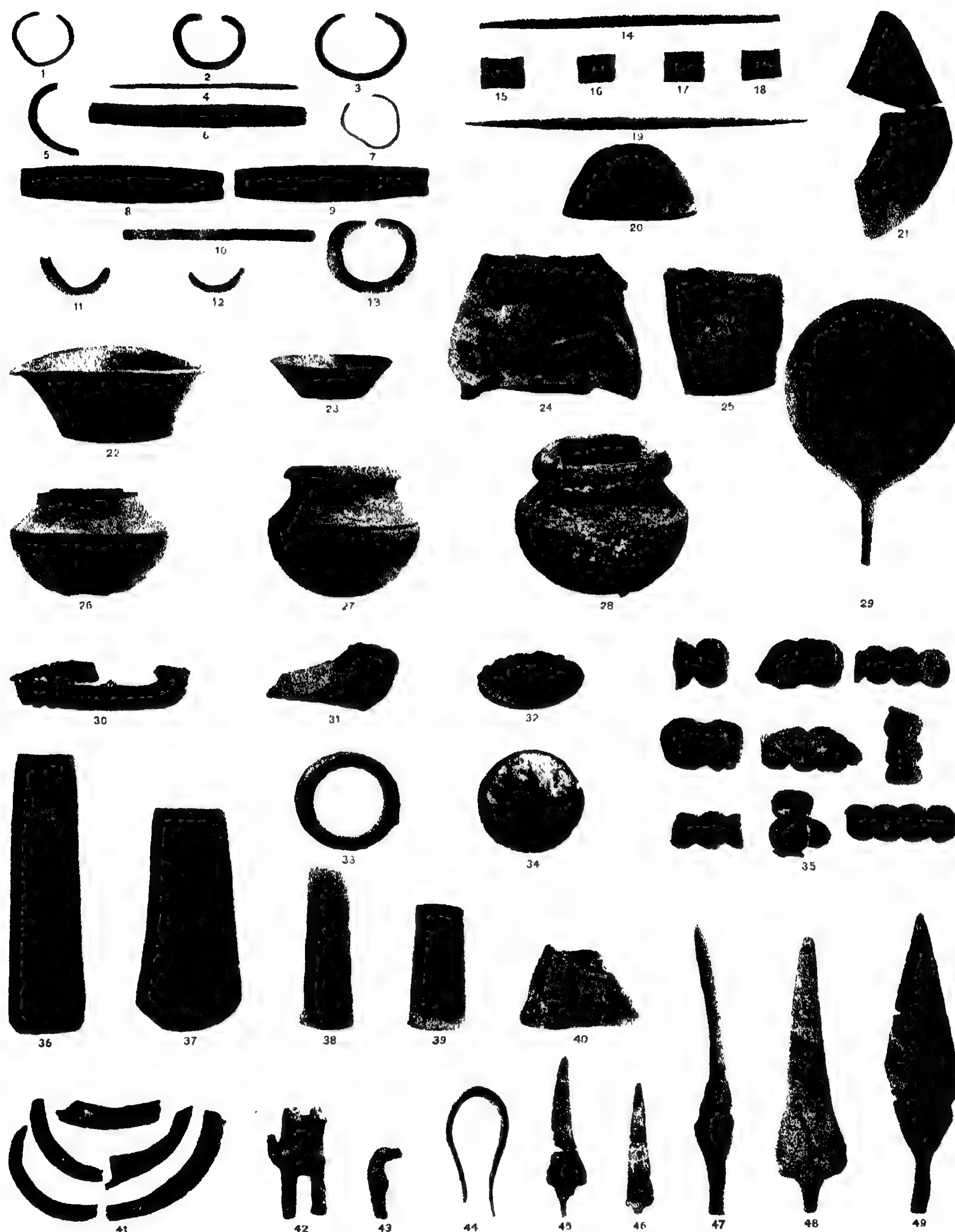
COPPER & BRONZE WEAPONS, IMPLEMENTS, & UTENSILS



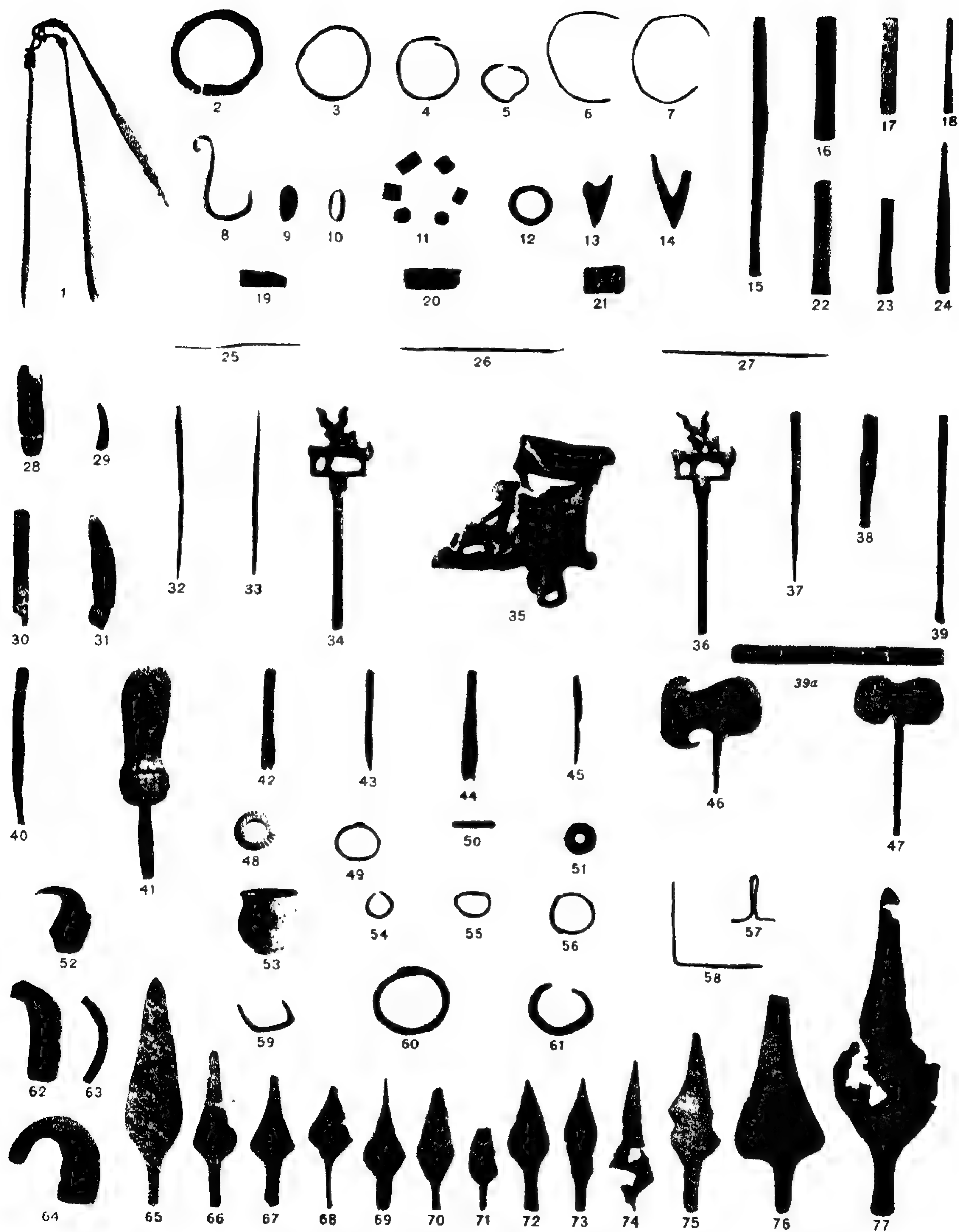




Contents of copper jar No. 277 and marble macehead No. 573.



COPPER AND BRONZE ORNAMENTS, UTENSILS, IMPLEMENTS, WEAPONS, ETC.



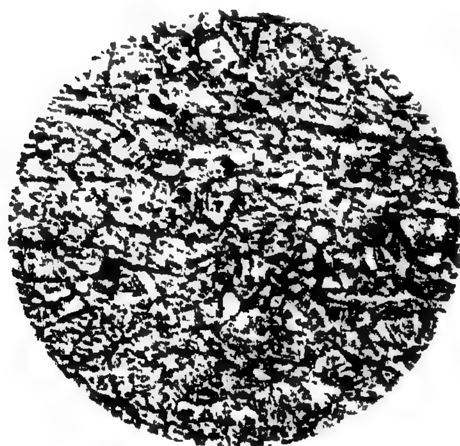
Copper, bronze, silver and gold objects.



No 1
AFTER LIGHT ETCHING MAGEN × 200



No 3
MAGNIFICATION × 10

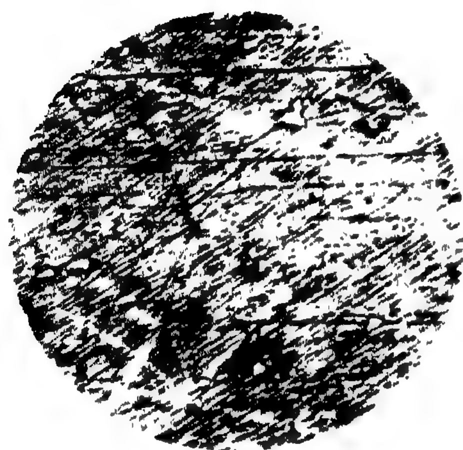


No. 5
MAGNIFICATION × 100.

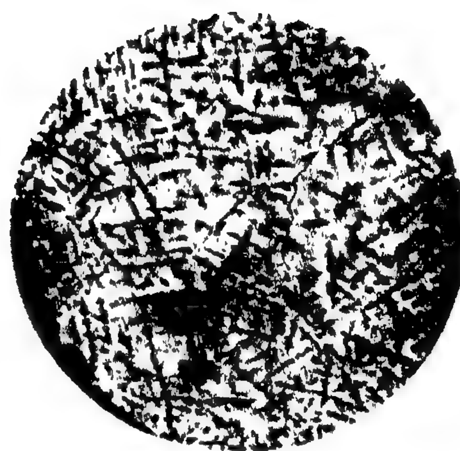


No 7
MAGNIFICATION × 500.

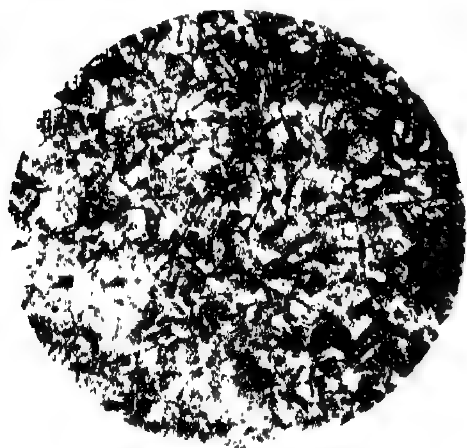
MICROPHOTOGRAPHS OF SPECIMEN '×' (CHISEL).



No 2
After light etching magn × 200



No 4
Magnification × 10.

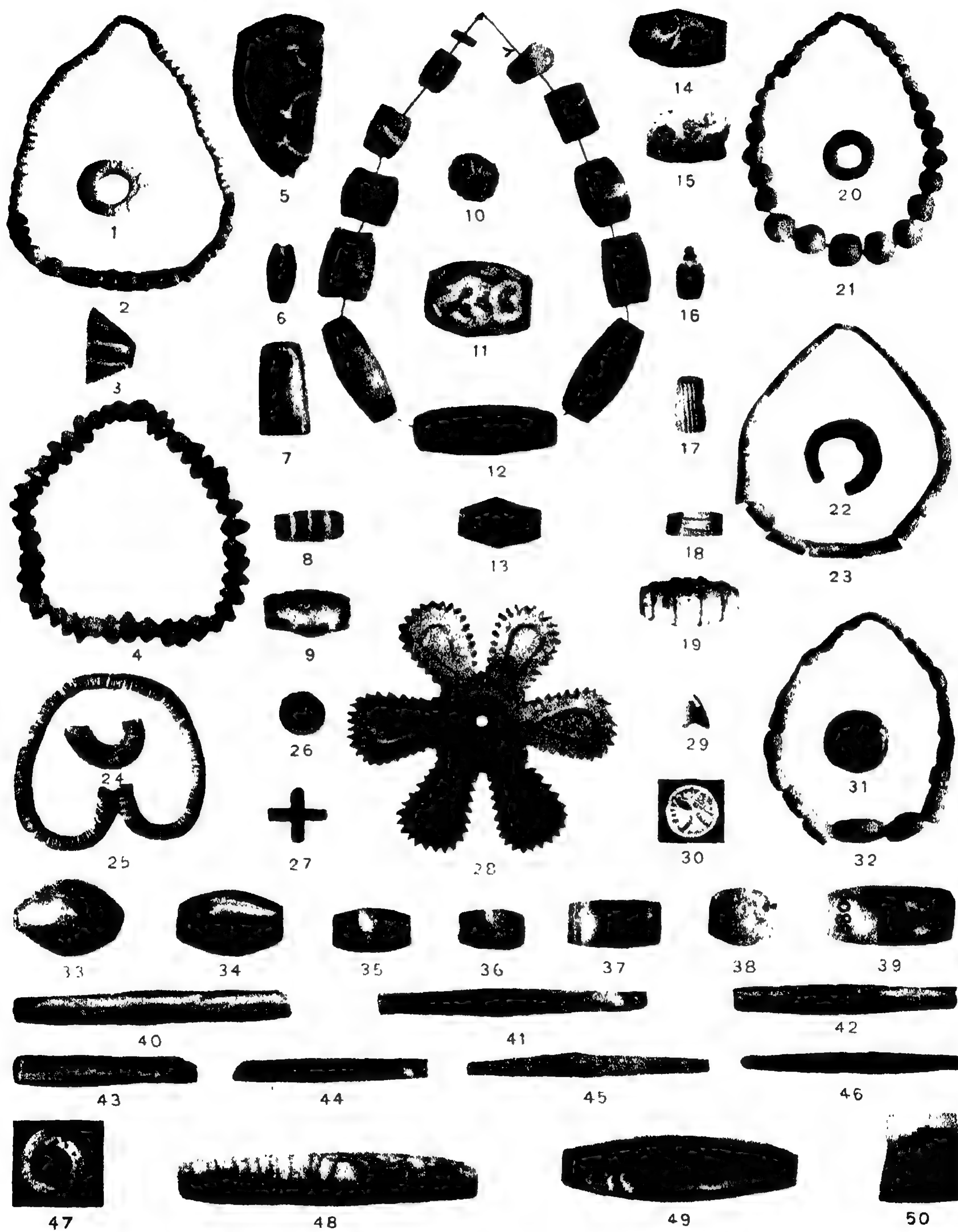


No. 6.
Magnification × 100.

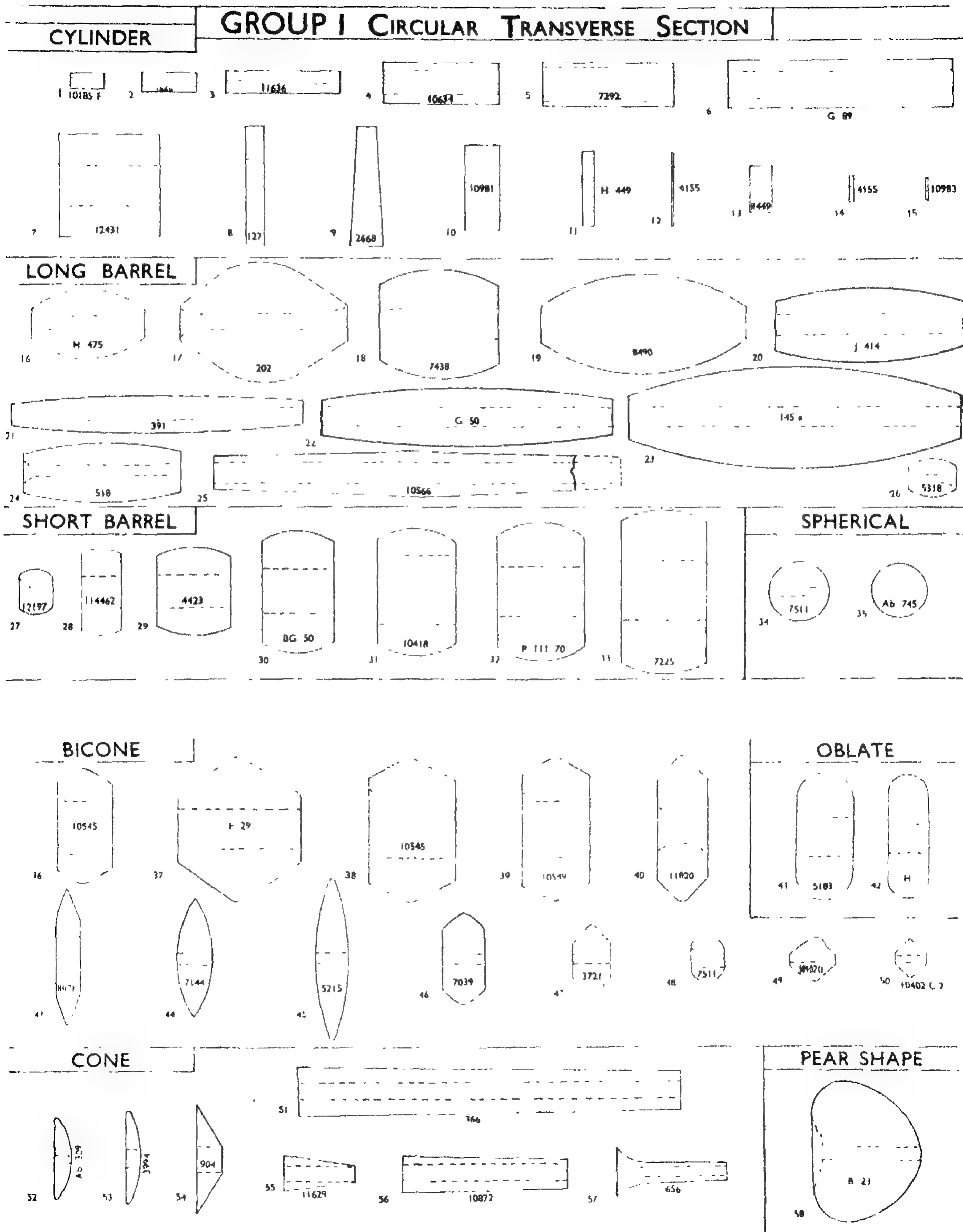


No 8.
Magnification × 500.

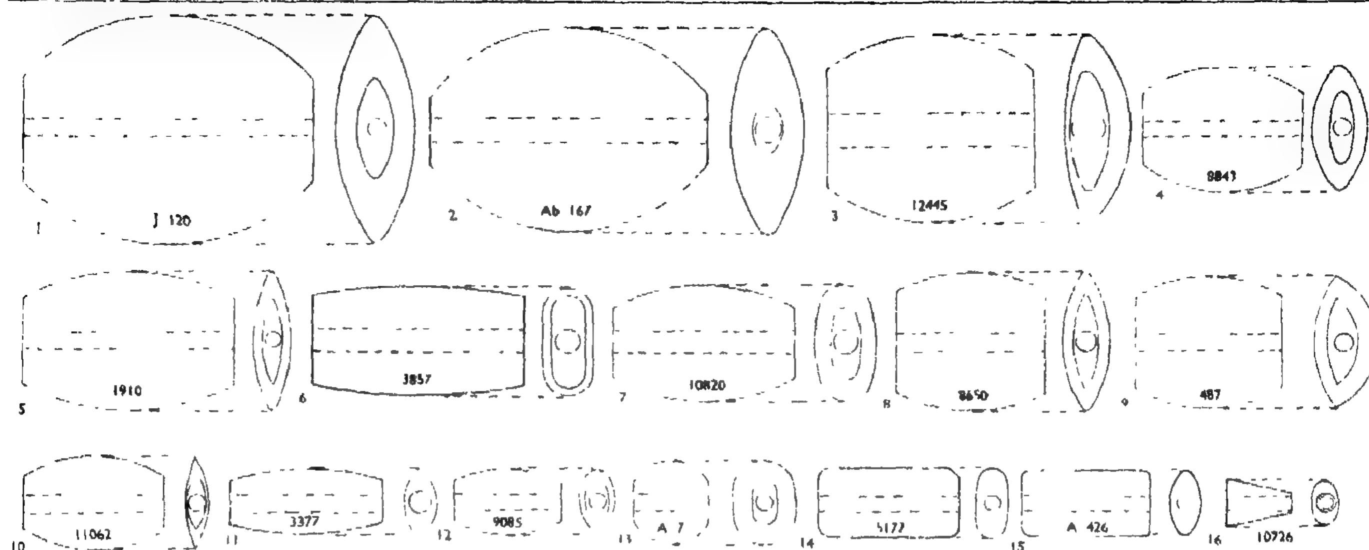
Microphotograph of specimen 277 a/21 (celt)



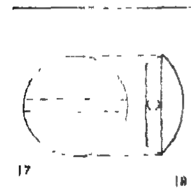
Miscellaneous beads.

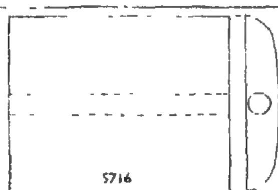

GROUP I CIRCULAR TRANSVERSE SECTION
CYLINDER
LONG BARREL
SHORT BARREL
SPHERICAL
BICONE
OBLATE
CONE
PEAR SHAPE

GROUPS II & IV ELLIPTICAL AND LENTICULAR

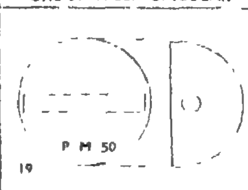


GROUP V PLANO CONVEX

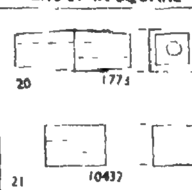




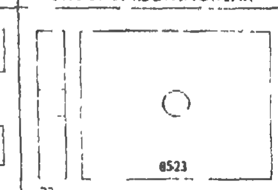
GROUP VI SEMICIRCULAR



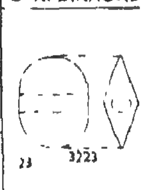
GROUP IX SQUARE



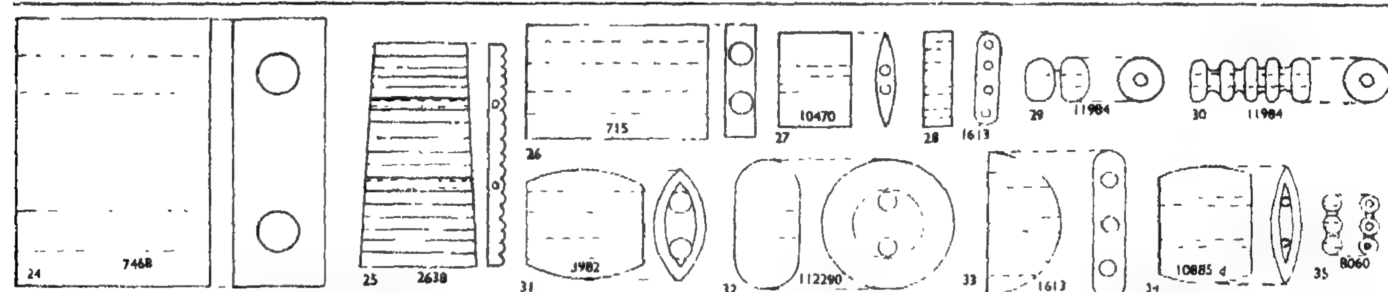
GROUP X RECTANGULAR



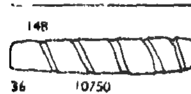
G XI DIAMOND



GROUP XVII MULTIPLE and SPACING



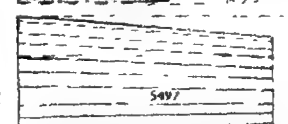
SPIRAL

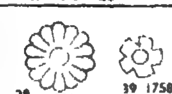


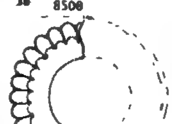


GROUP XXIII NOTCHED and GADROONED

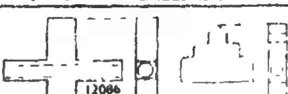


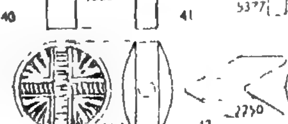




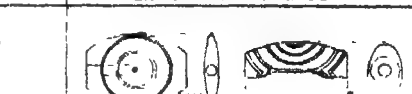


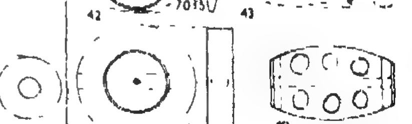
GROUP XXIX EMBLEMS CROSS STEPS



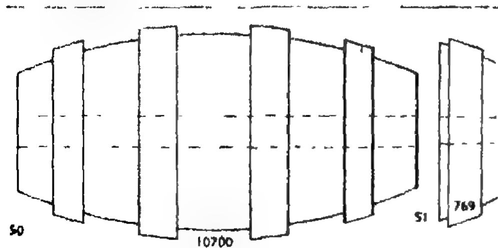


GROUP XLVI EYE BEADS

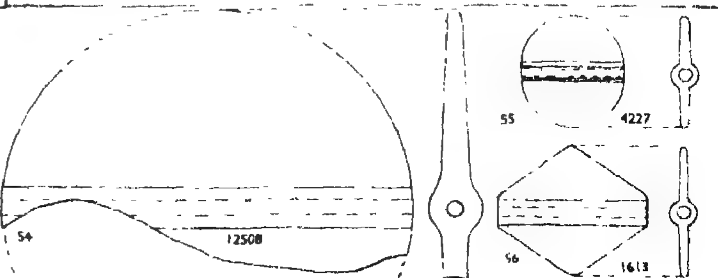




GROUP XLVII



GROUP XLVIII SUNDRY-16 R



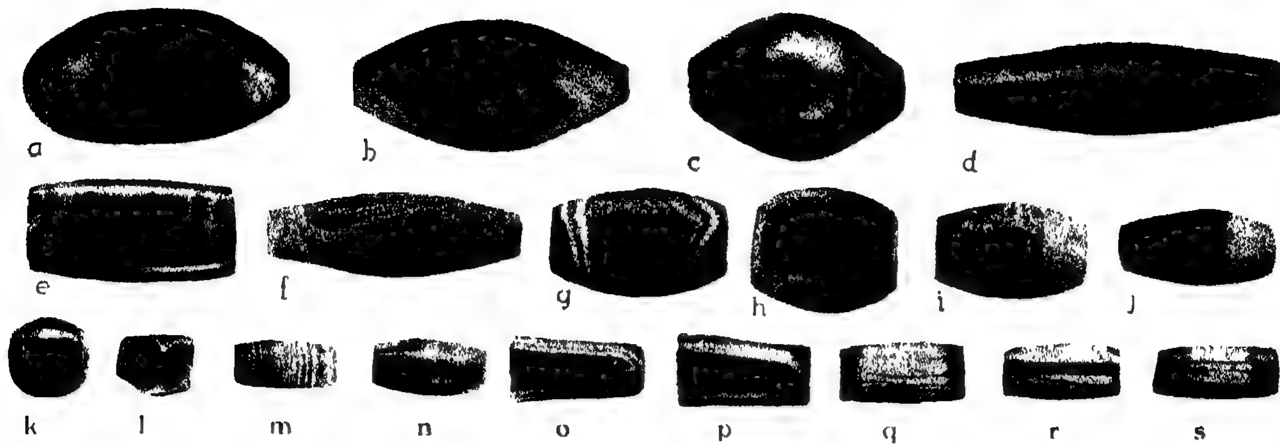


Fig. 1. Beads of agate.

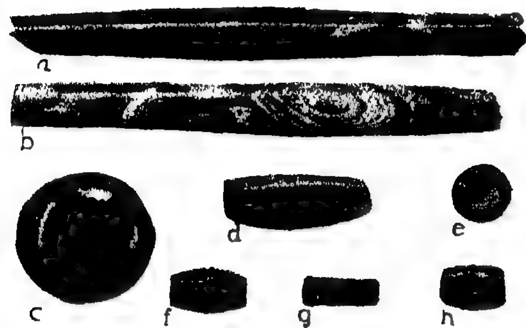


Fig. 2. Beads of carnelian.

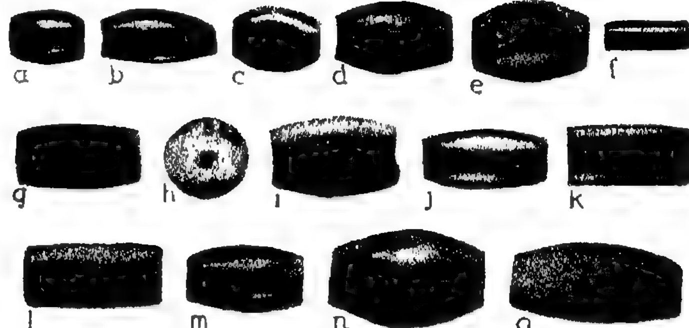


Fig. 3. Beads of various silicate stones *a–f*. Jasper, *g–k*. Chert, *l–n*. Chalcedony, *o*. Milky quarts.



Fig. 4. Etched carnelian beads.

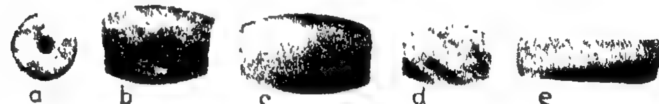


Fig. 5.

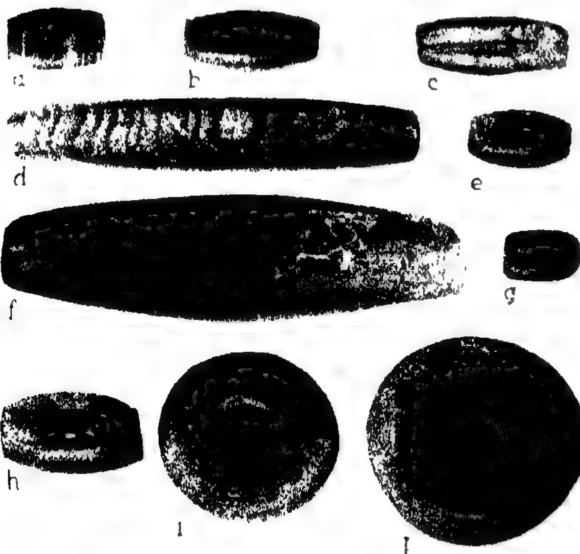


Fig. 6. Beads of limestone & stalagmite.

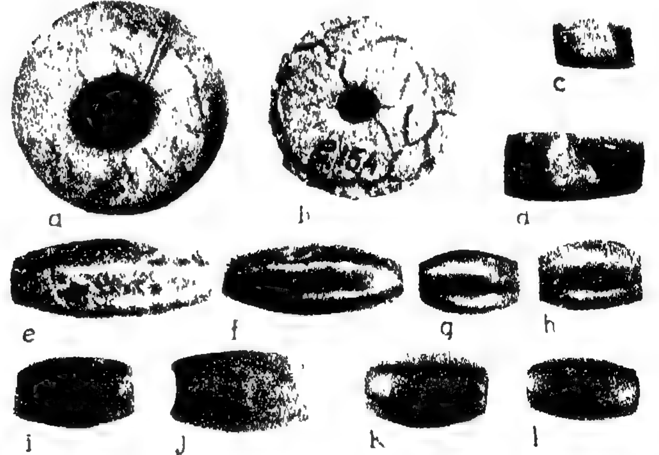


Fig. 7. Beads of sundry stones *a* & *b*. Marble, *c*. Calcite, *d*. Hornblende, *e–g*. Serpentine, *h*. Diorite, *i* & *j*. Lapis, *k* & *l*. Jadeite.

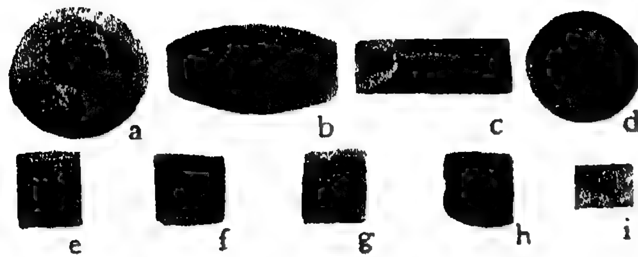


Fig. 1. Beads of natural steatite.

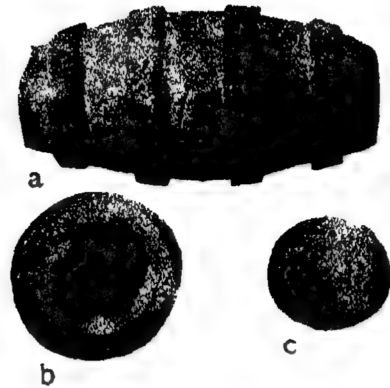


Fig. 2. Zone beads of burnt steatite.

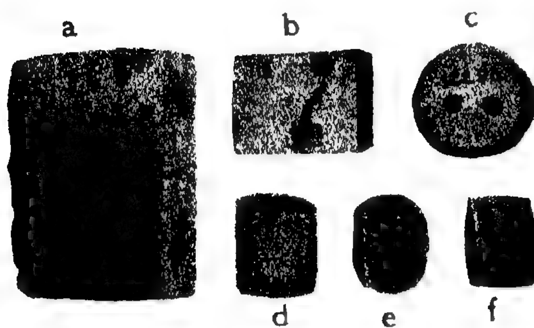


Fig. 3. Spacing beads of burnt steatite.

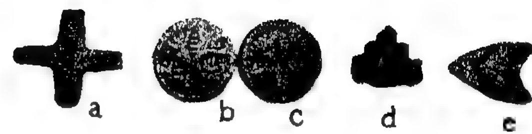


Fig. 4. Cross, step & tooth beads of burnt steatite.

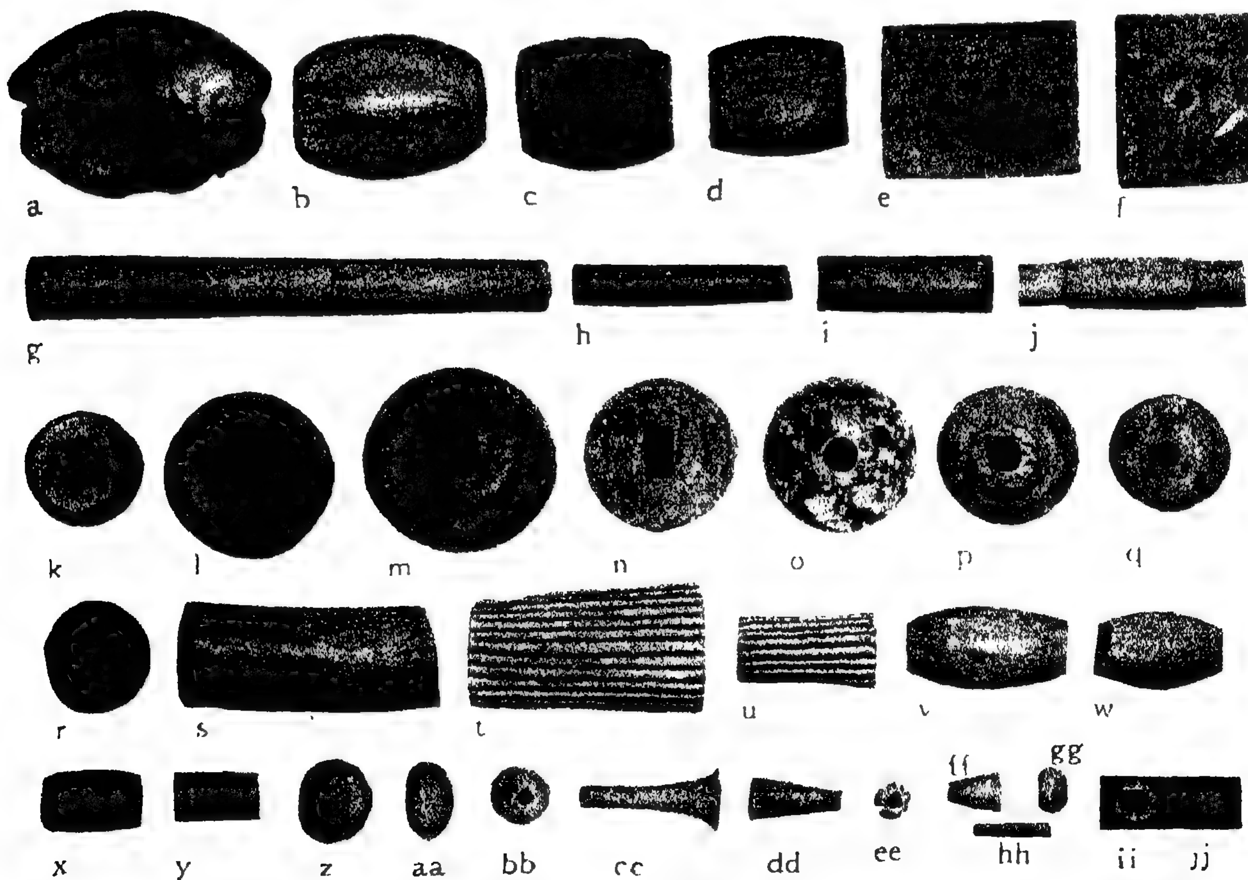


Fig. 5. Beads of burnt steatite.

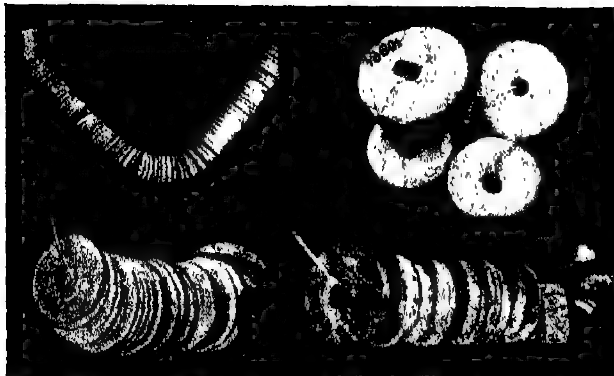


FIG. 1 DISC BEADS OF "BURNT" STEATITE.

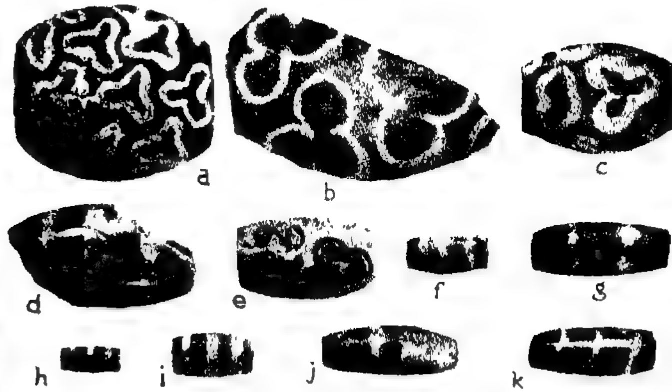
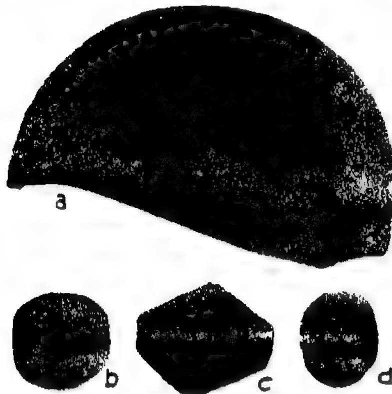


FIG. 2. PAINTED STEATITE BEADS.



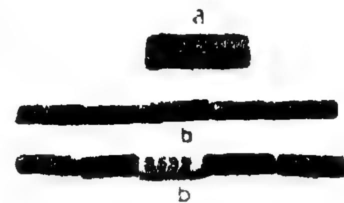


FIG. 3 FAIENCE SPACING BEADS WITH MIDDLE RIB.

FIG. 4. FAIENCE SPACING BEADS.

FIG. 5 BLACK FAIENCE BEADS.

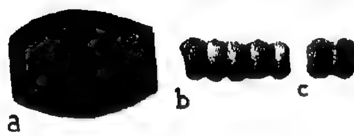


FIG. 6 WHITE FAIENCE BEADS.

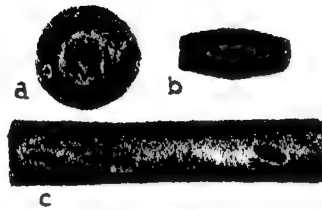


FIG. 7. YELLOW FAIENCE BEADS.

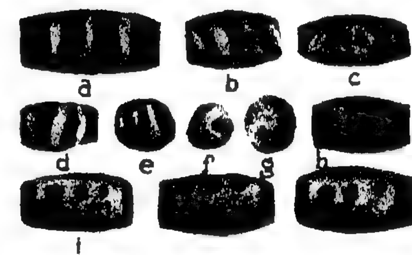


FIG. 8 VARIEGATED FAIENCE BEADS.

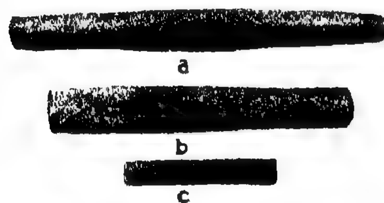




FIG. 9 FAIENCE BEADS—MOSTLY BLUE OR GREEN.

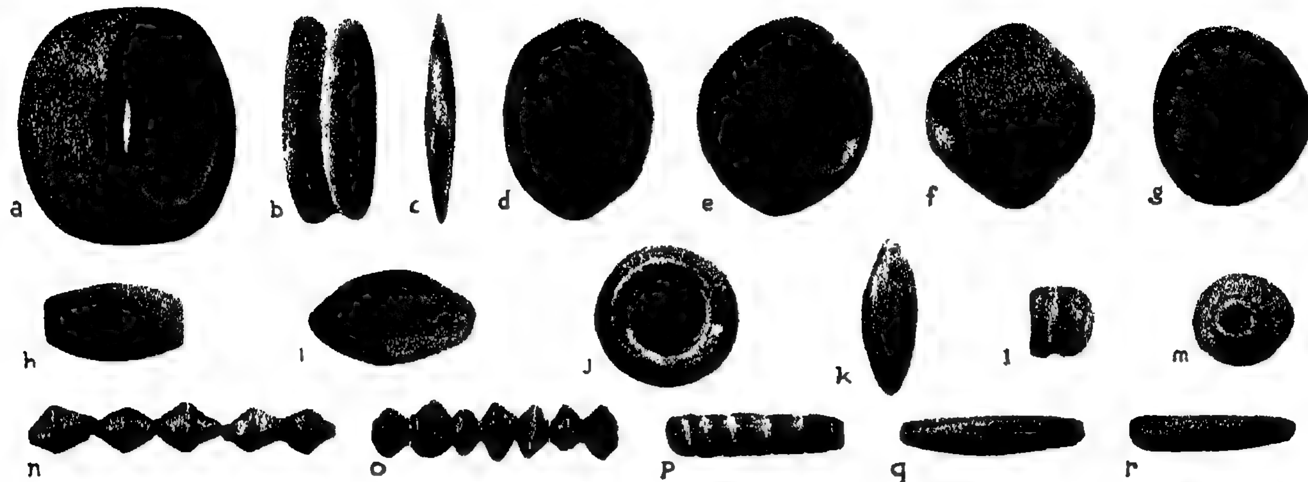


Fig. 1. Beads of terracotta or pottery



Fig. 2. Beads of shell



Fig. 3. Zone bead ivory



Fig. 4. Shell inlay from Ur

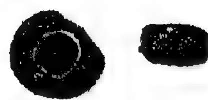


Fig. 5. Copper beads



Fig. 6. Silver beads



Fig. 7. Gold beads.

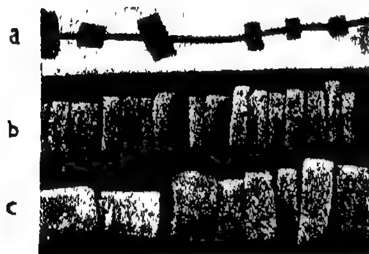


Fig. 8. Small steatite beads × 4.
a, c Harappa
b Ur

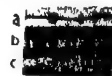


Fig. 9 × 1/1



Fig. 10. Small steatite beads ×4
a, c Harappa
b Ur



Fig. 11. ×1/1

MICROPHOTOGRAPHS OF "BURNT" AND PAINTED STEATITE.

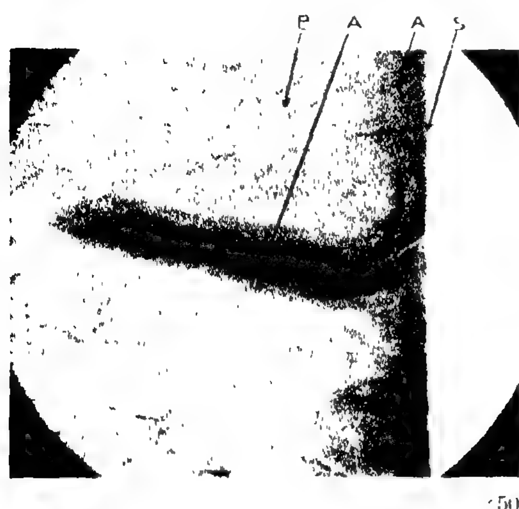


FIG. 1
SECTION OF "BURNT" STEATITE SEAL FROM MOHENJO-DARO.

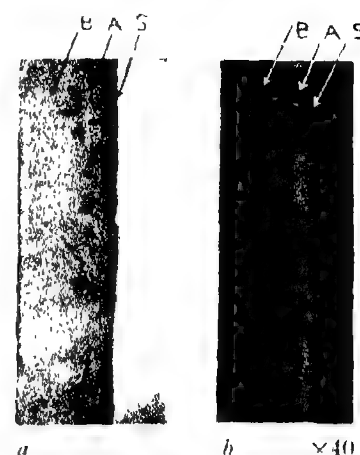


FIG. 2.
SECTION OF "BURNT" STEATITE SEAL FROM HARAPPA.

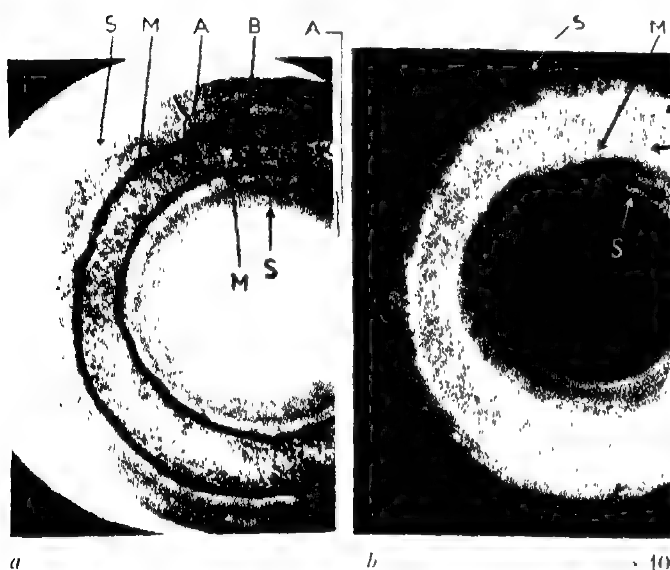


FIG. 3
SECTION OF "BURNT" STEATITE BEAD FROM HARAPPA.

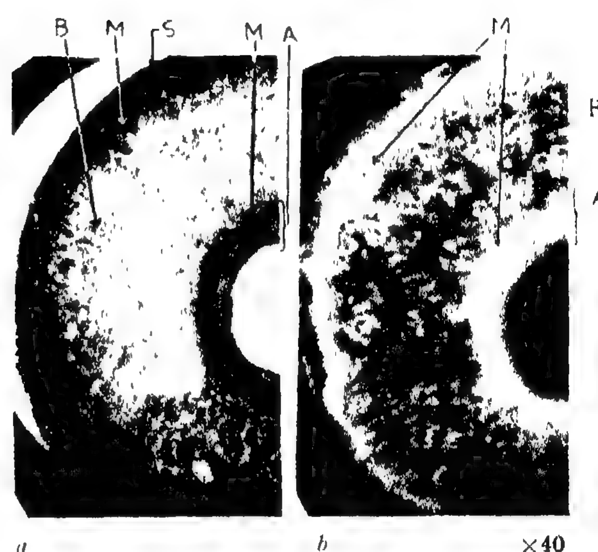


FIG. 4.
SECTION OF "BURNT" STEATITE BEAD FROM UR.

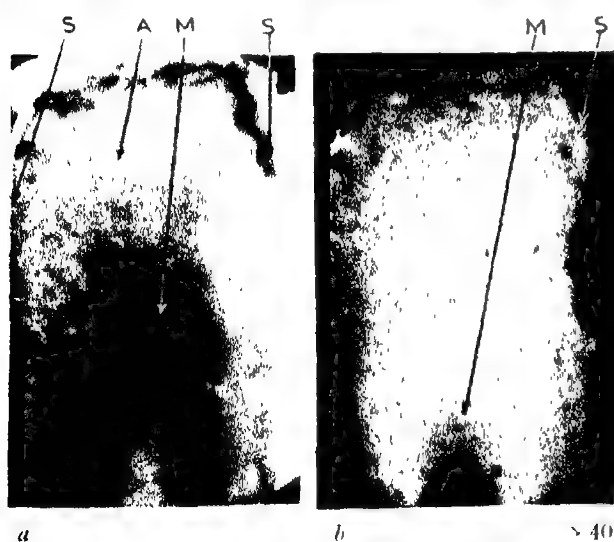


FIG. 5
SECTION OF "BURNT" STEATITE DISC BEAD FROM HARAPPA

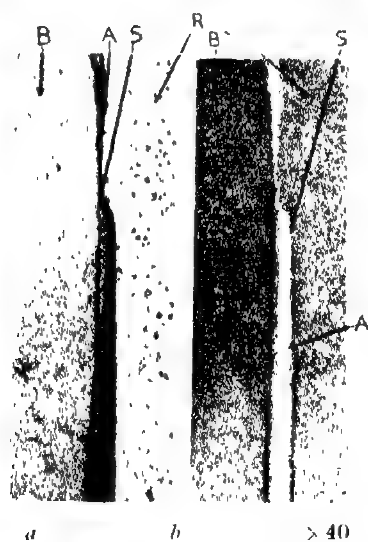


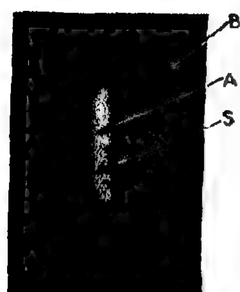
FIG. 6
SECTION OF UNUSUAL TYPE OF "BURNT" STEATITE BEAD FROM HARAPPA.



FIG. 7.
SECTION THROUGH PAINTED STEATITE BEAD FROM HARAPPA.

A = AFFECTED PORTION
B = BASE
M = AREA OF MAXIMUM EFFECT
R = REINFORCING MATERIAL.
S = SURFACE OF SPECIMEN

MICROPHOTOGRAPHS OF ETCHED CARNELIAN BEADS AND FAIENCE BEADS.



×40

FIG. 1

SECTION OF A WHITE LINE ON ETCHED CARNELIAN TYPE I LIGHT REFLECTED FROM ABOVE.





a ×40 *b* ×40

FIG. 2

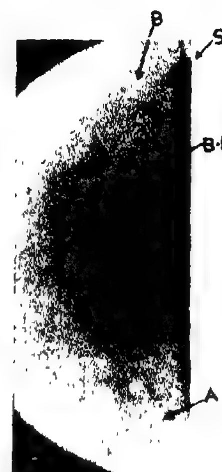
SECTION OF AN IRREGULAR WHITE LINE OF AN ETCHED CARNELIAN TYPE I.

a ORDINARY TRANSMITTED LIGHT

b LIGHT REFLECTED FROM ABOVE

A—AFFECTED AREA. S—SURFACE OF SPECIMEN

B—BASE BL—BLACK LINE



×40

FIG. 3

SECTION OF A BLACK LINE ON AN UNUSUAL FORM OF ETCHED CARNELIAN TYPE II.





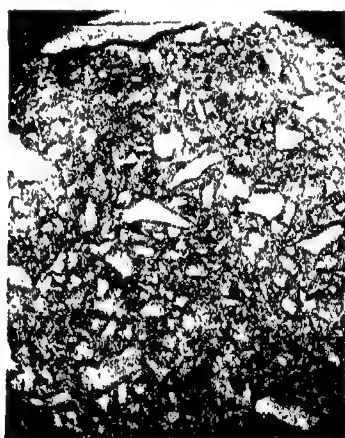
a ×40 *b* ×40

FIG. 4

SECTION OF FAIENCE ORDINARY TYPE.

a ORDINARY TRANSMITTED LIGHT

b POLARIZED LIGHT





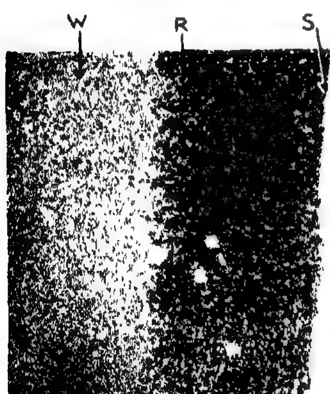
a ×40 *b* ×40

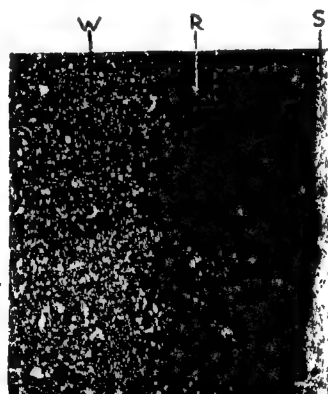
FIG. 5

SECTION OF VERY COARSE FAIENCE.

a ORDINARY TRANSMITTED LIGHT.

b POLARIZED LIGHT





a ×40 *b* ×40

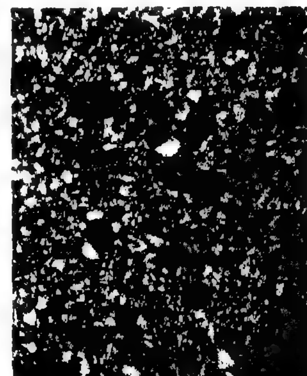
FIG. 6

SECTION OF VERY FINE VARIEGATED FAIENCE

a. ORDINARY TRANSMITTED LIGHT

b. POLARIZED LIGHT.





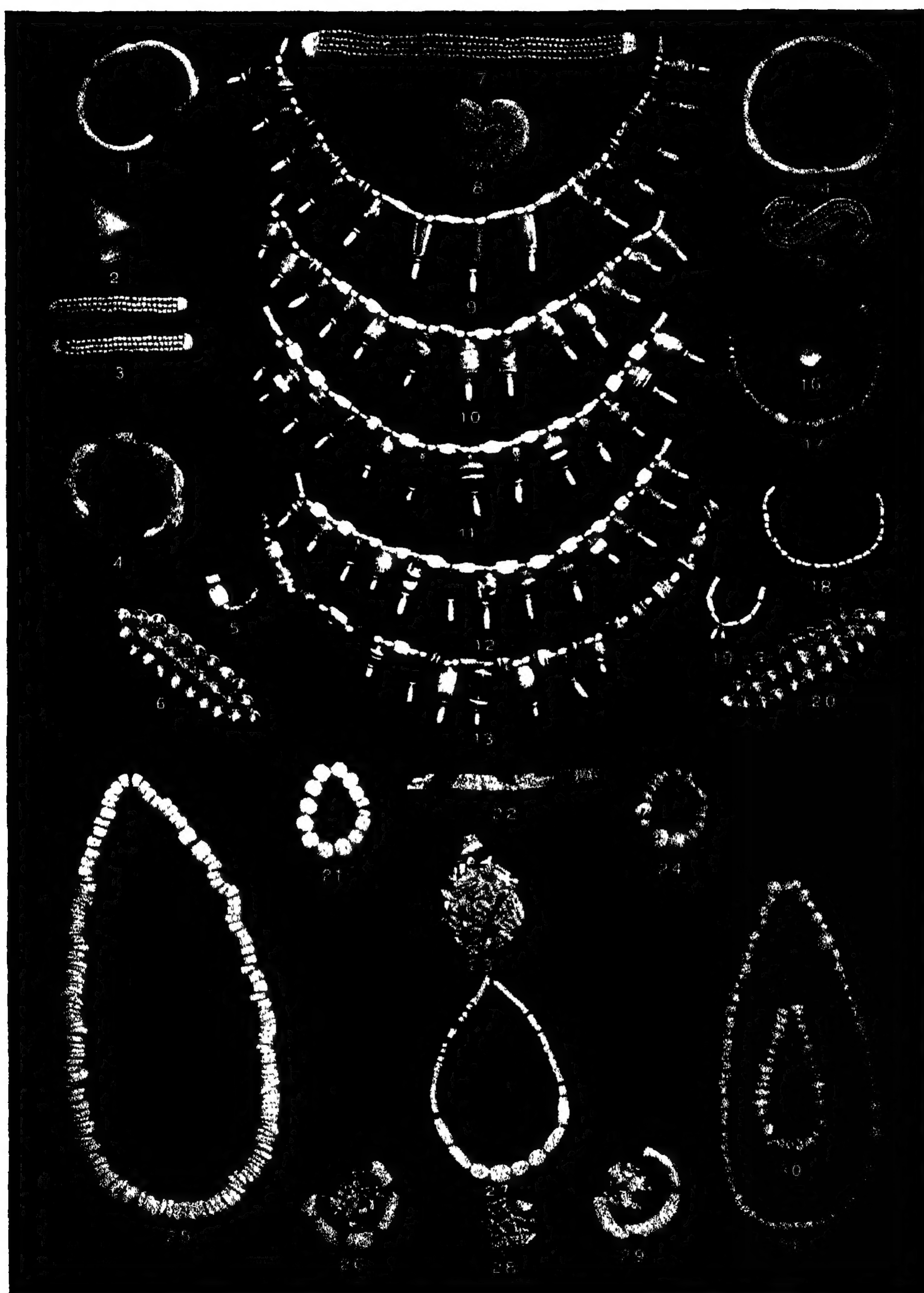
a ×40 *b* ×40

FIG. 7

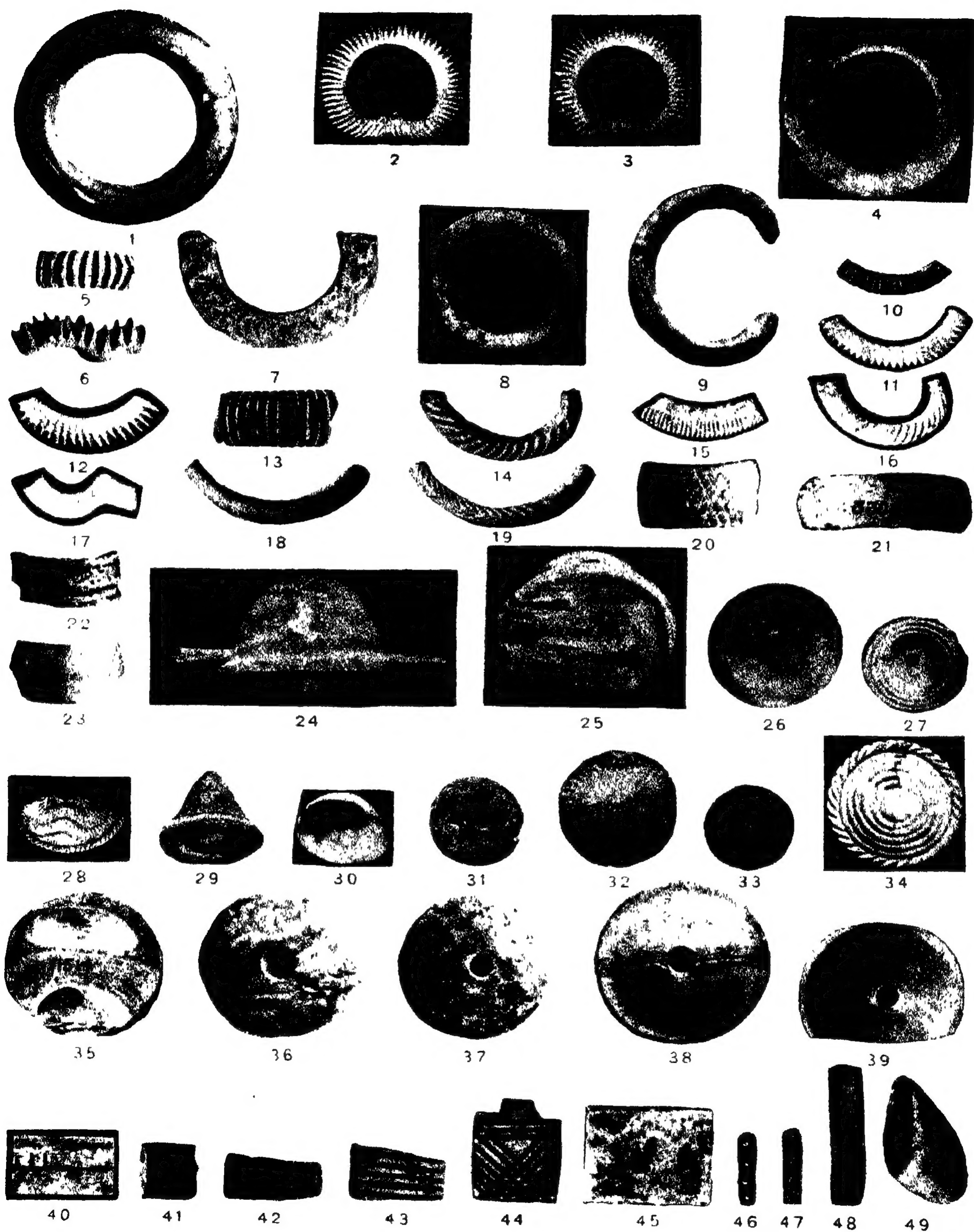
SECTION OF VERY HARD FINE GRAINED FAIENCE SOMETIMES CALLED VITREOUS PASTE.

a. ORDINARY TRANSMITTED LIGHT.

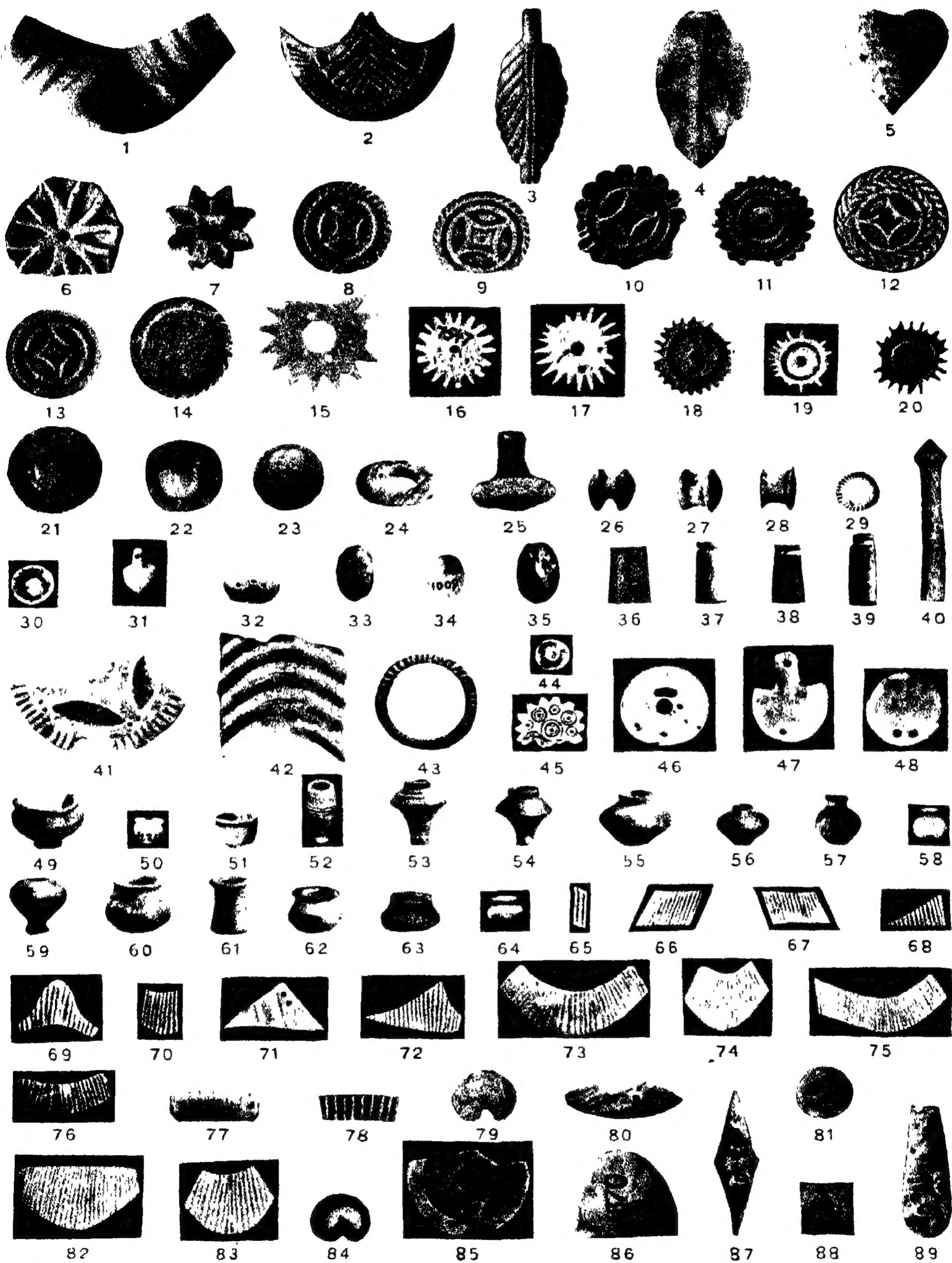
b POLARIZED LIGHT



Jwellery from House 2, Trench IV, Mound F



PERSONAL ORNAMENTS



PERSONAL ORNAMENTS, UNGUENT VASES AND INLAY OBJECTS